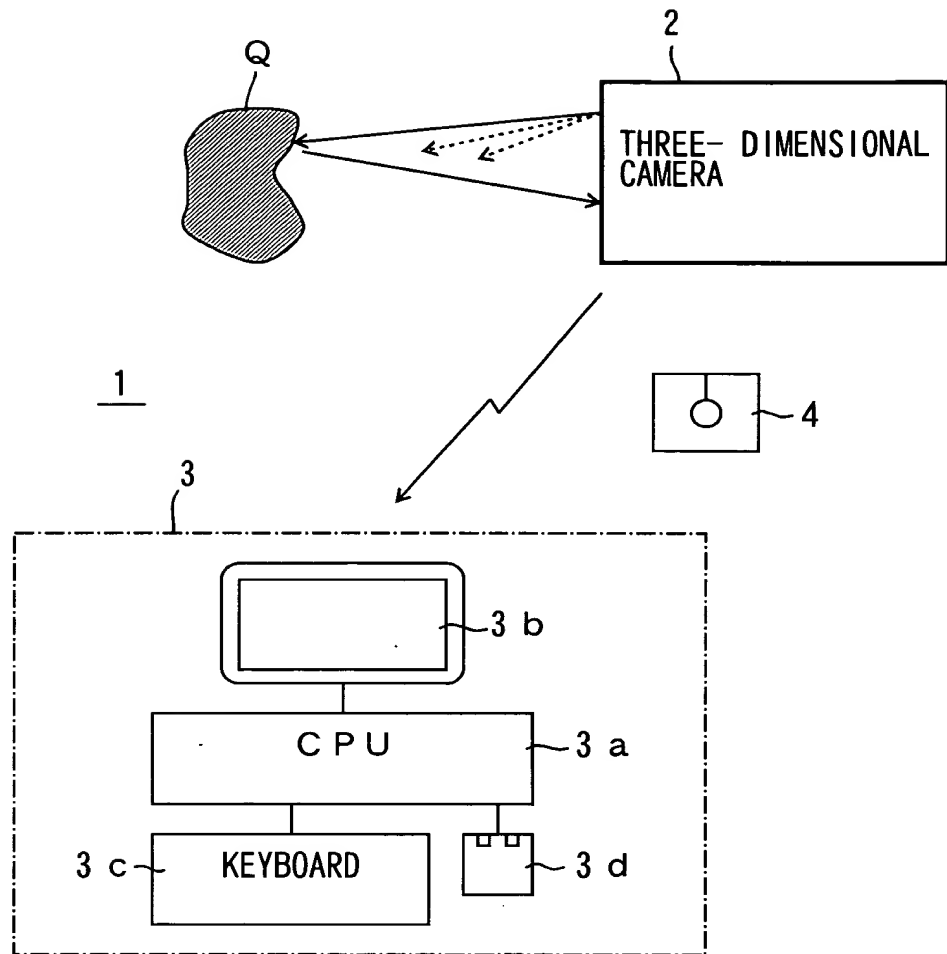
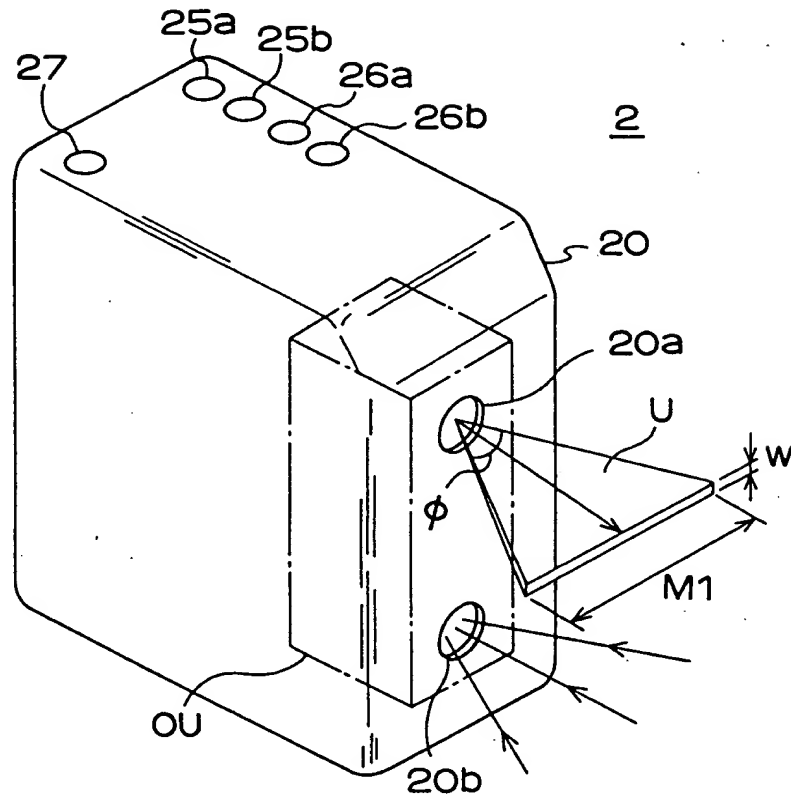


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

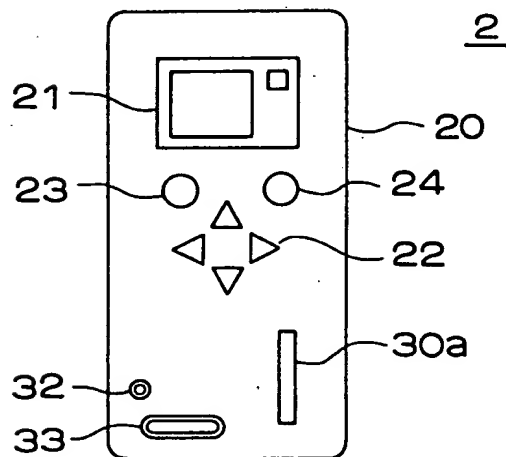
F i g . 1



F i g . 2 A



F i g . 2 B



APPROVED BY DRAFTSMAN	O.G. FIG. '	
	CLASS	SUBCLASS

3
.
00
- 2000
LL

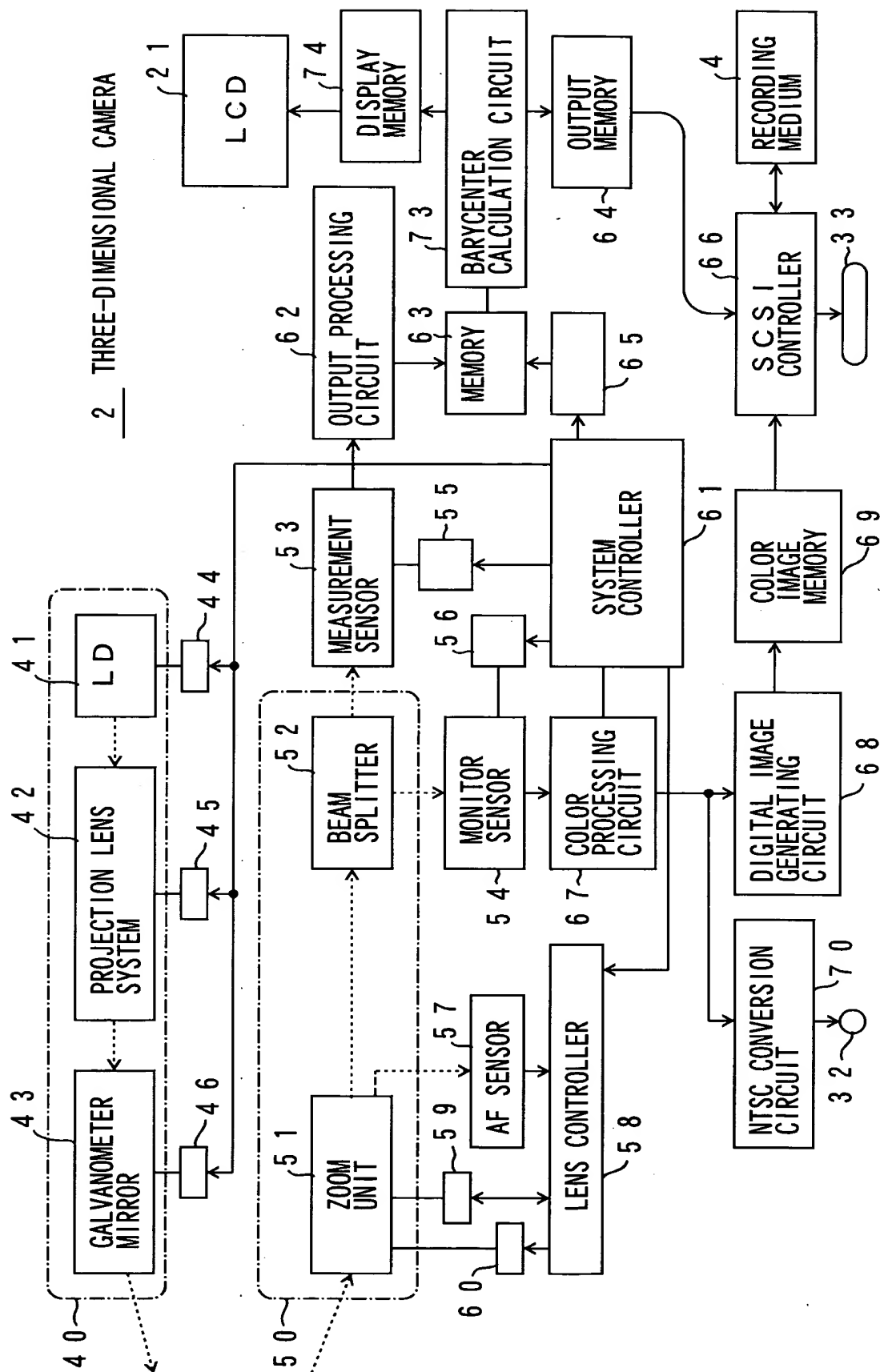
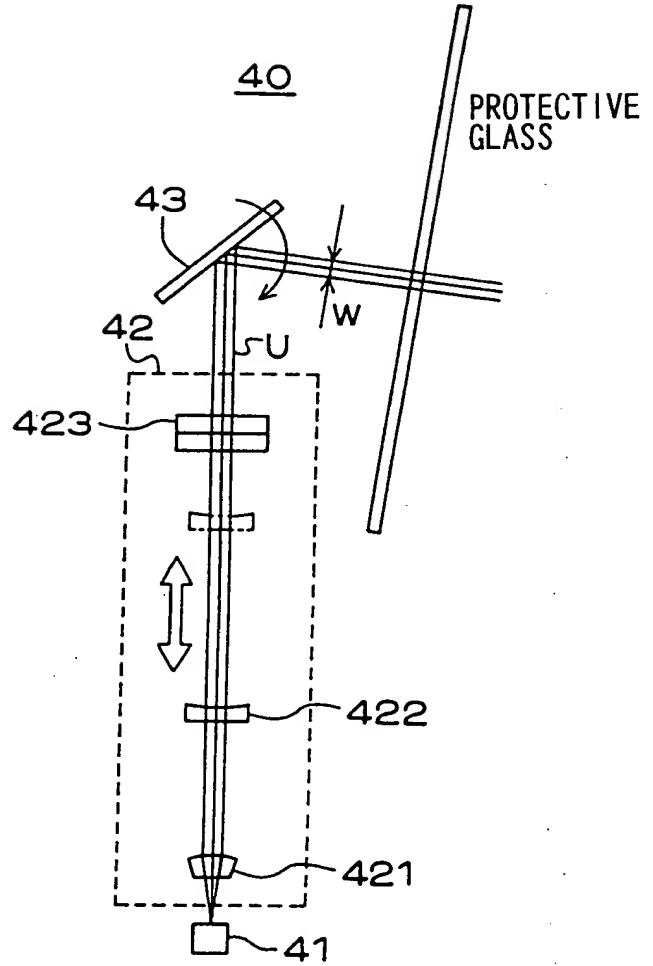
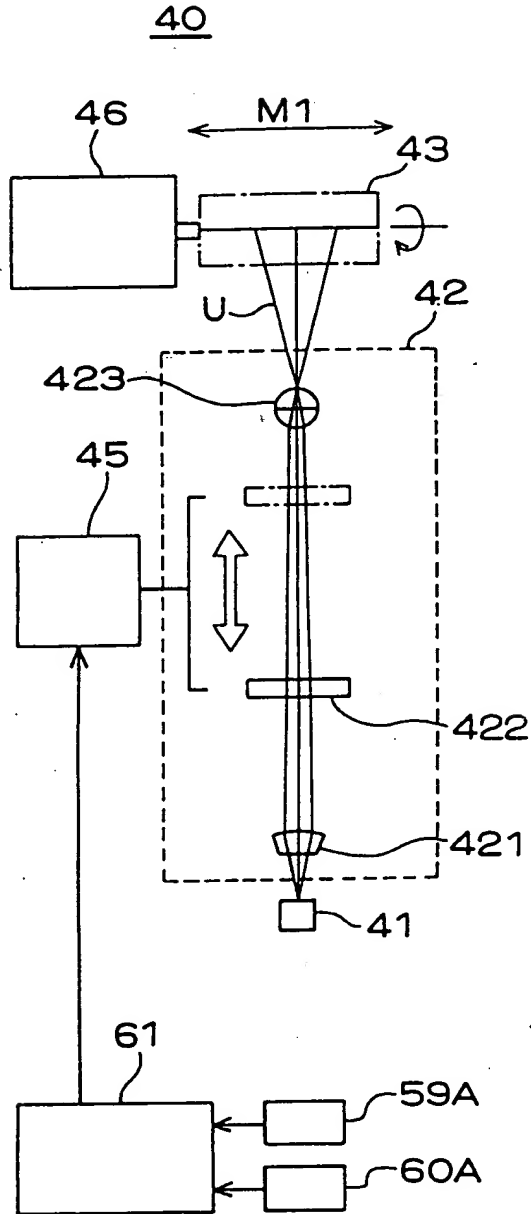


Fig. 4A

Fig. 4B



2025 RELEASE UNDER E.O. 14176

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 5 A

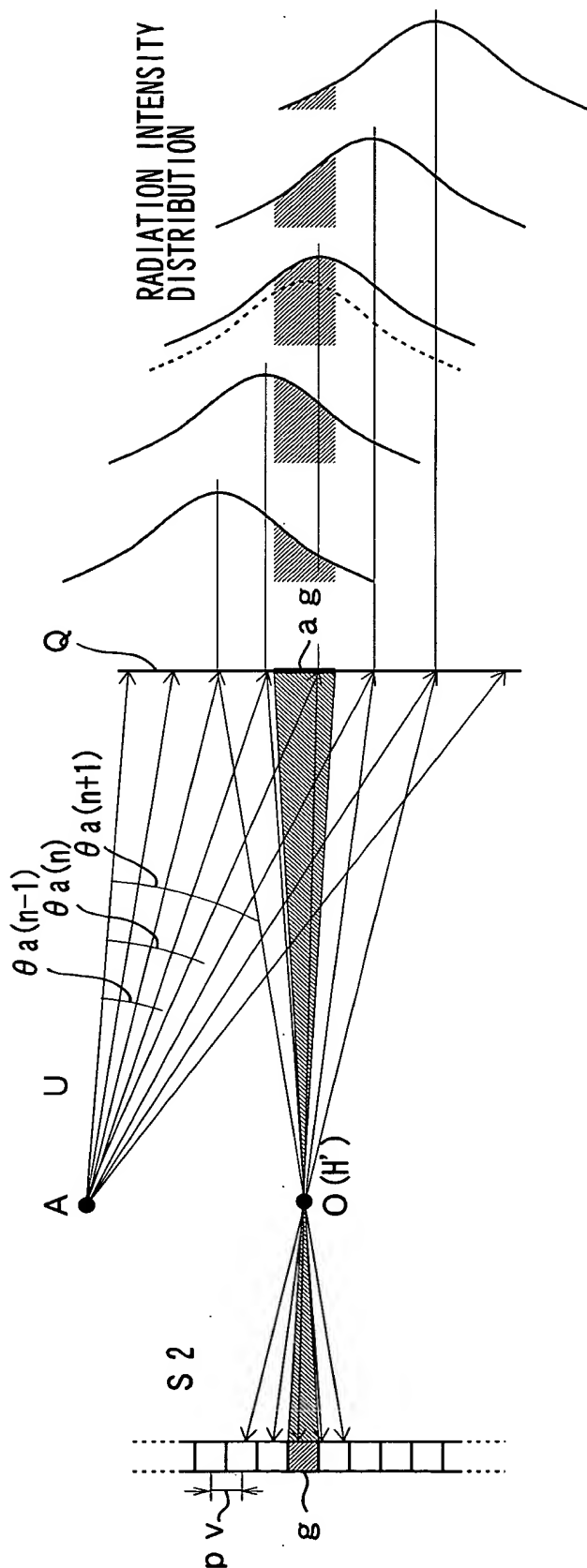
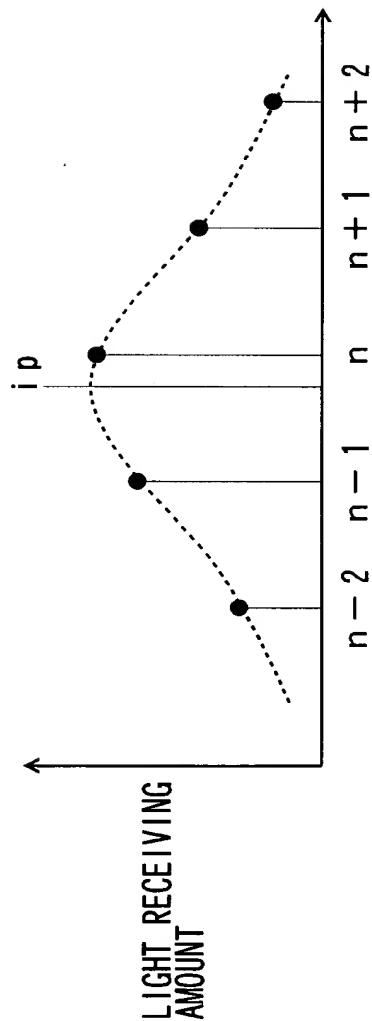
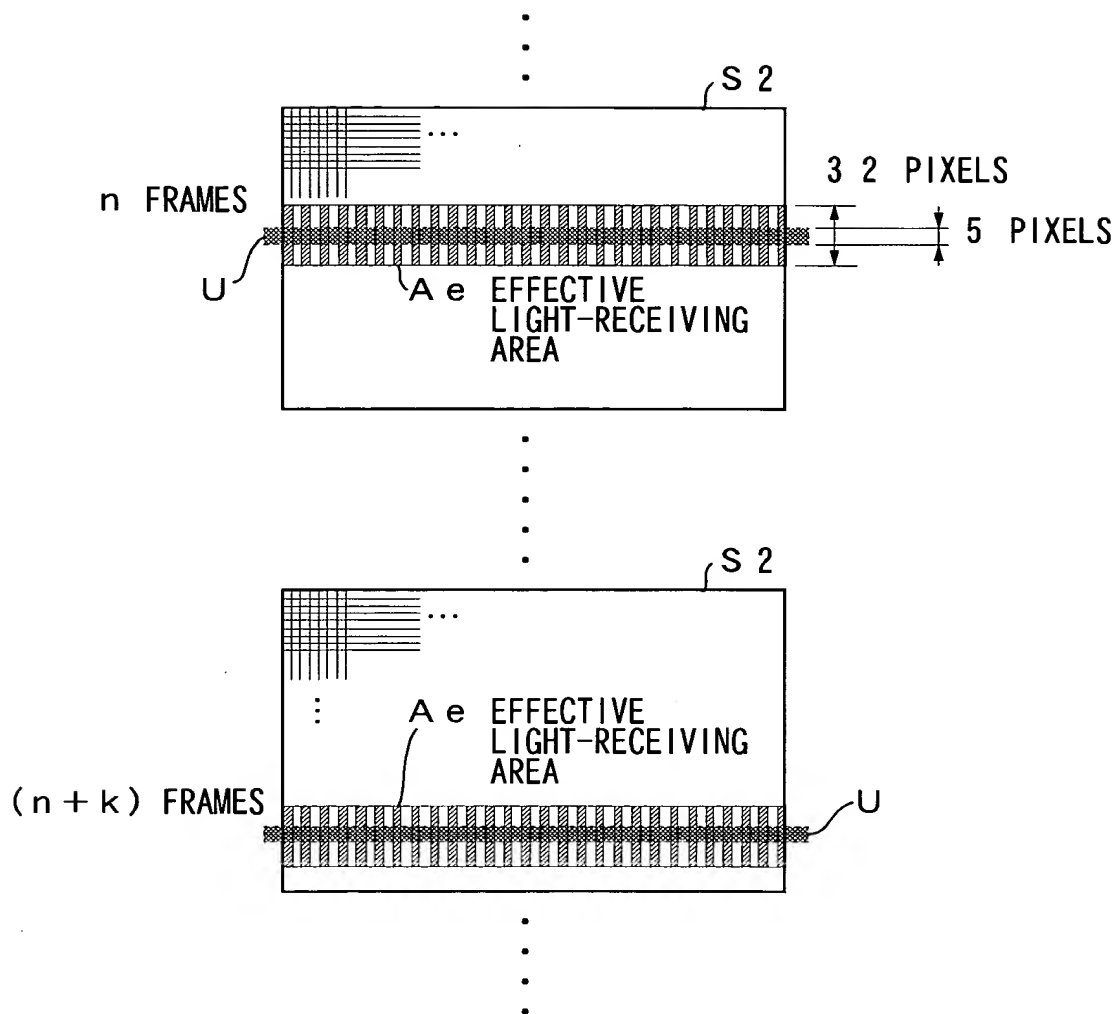


Fig. 5 B



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

F i g . 6



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 7 A

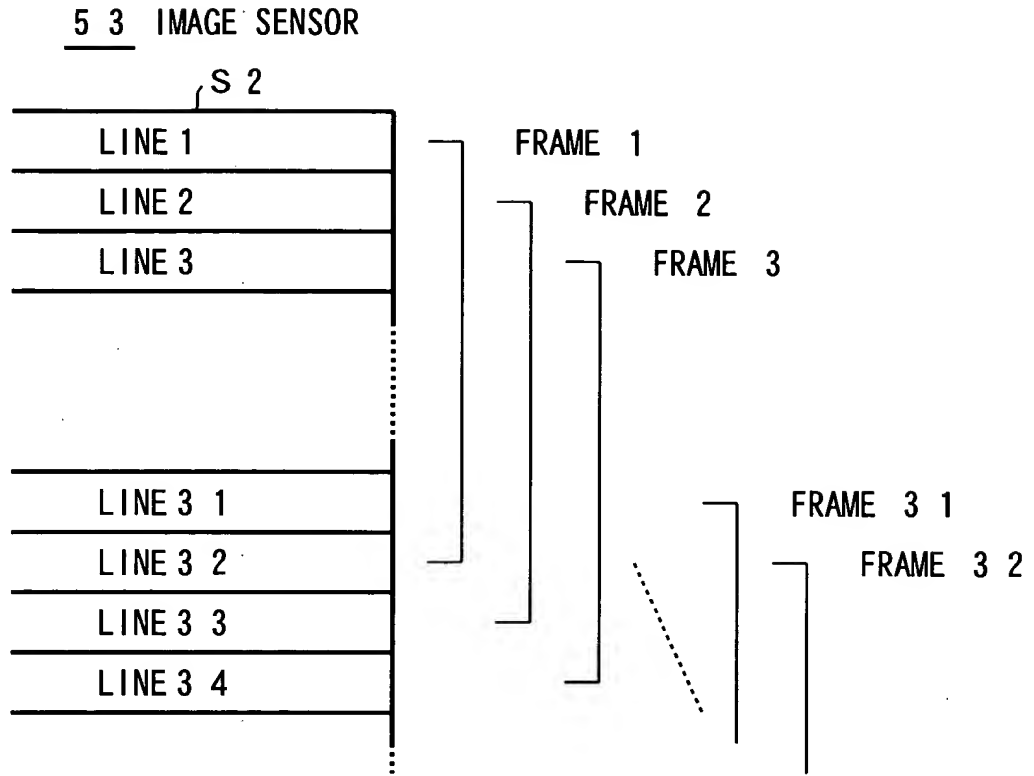
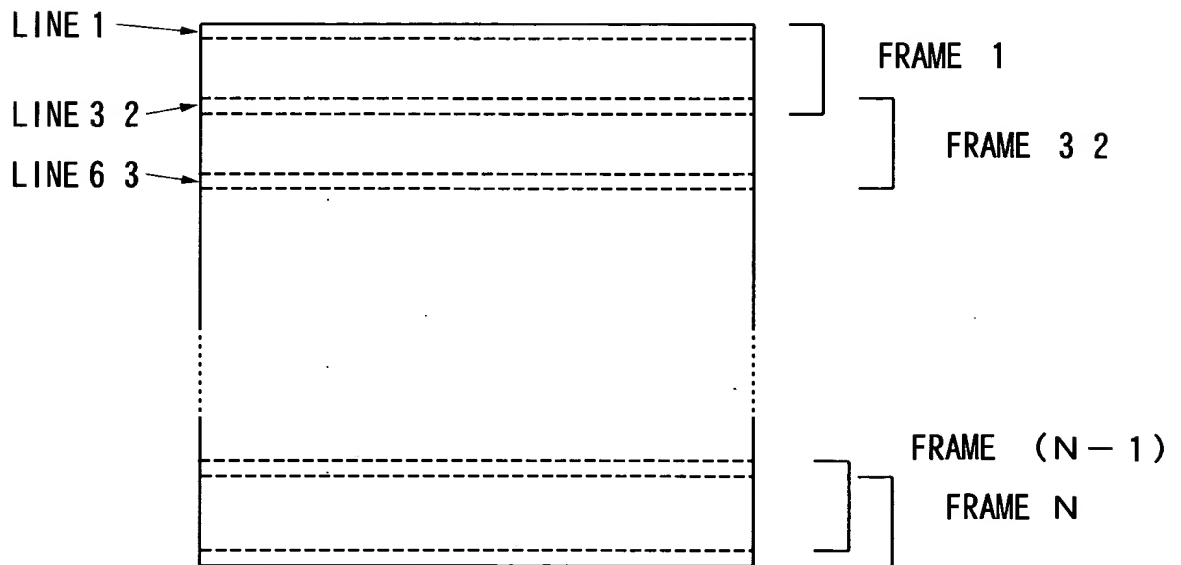
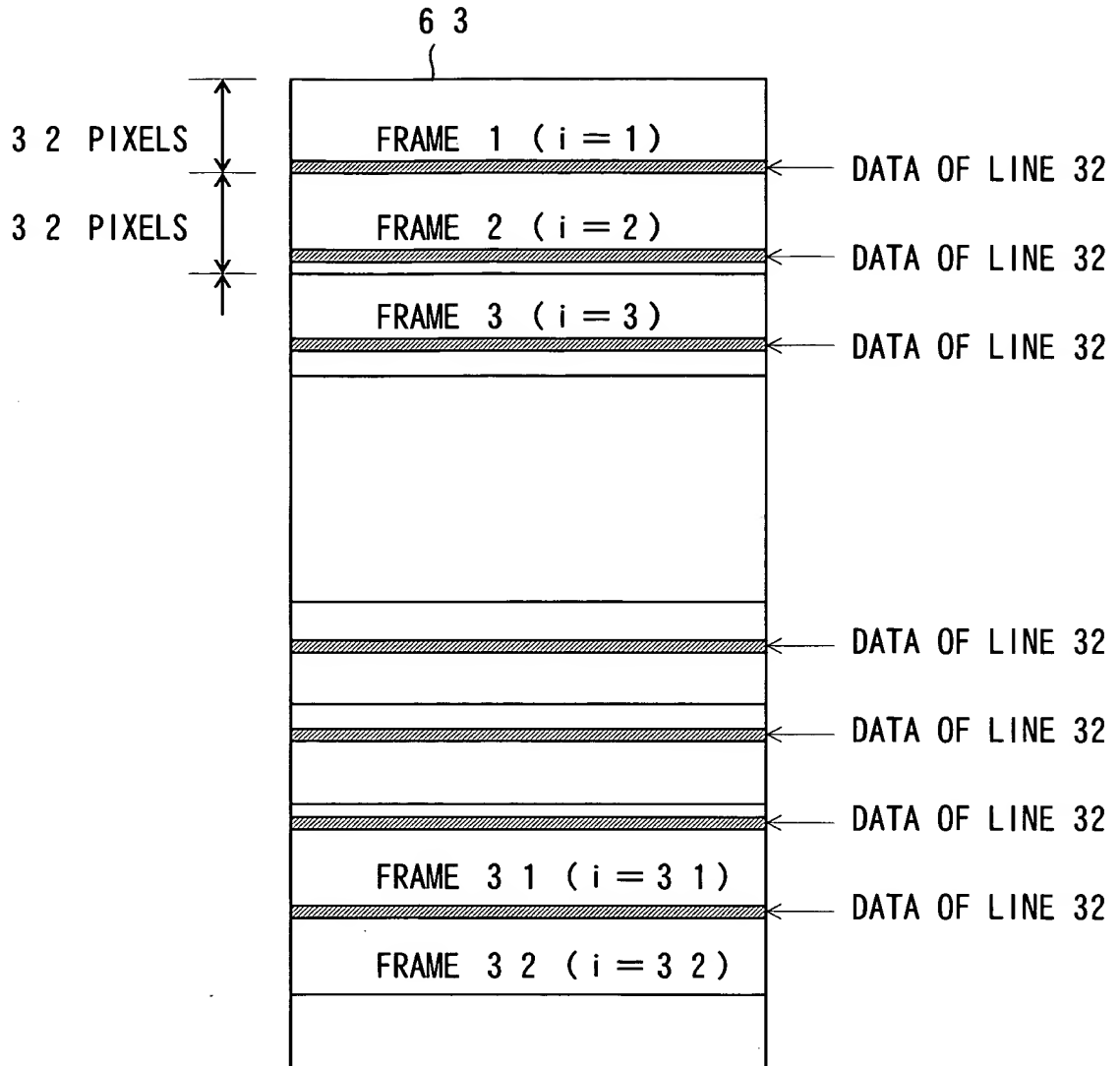


Fig. 7 B

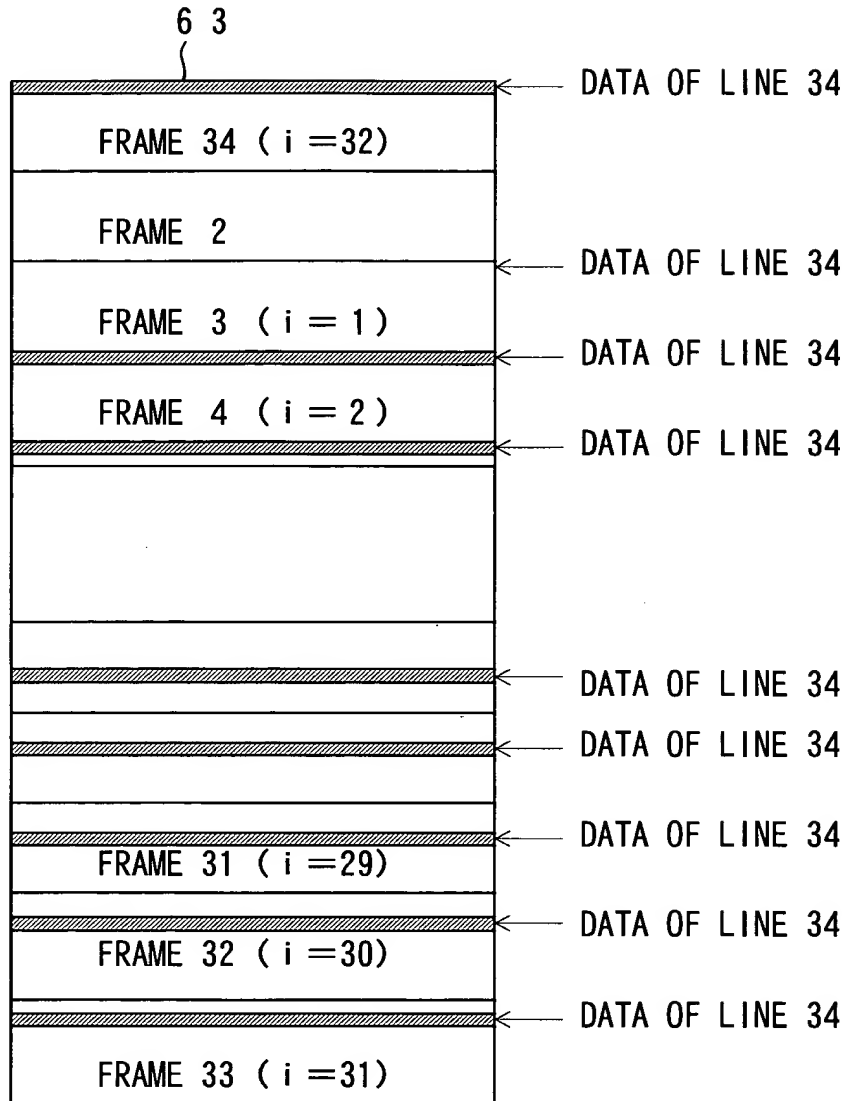


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

F i g . 8



F i g . 1 0



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 11

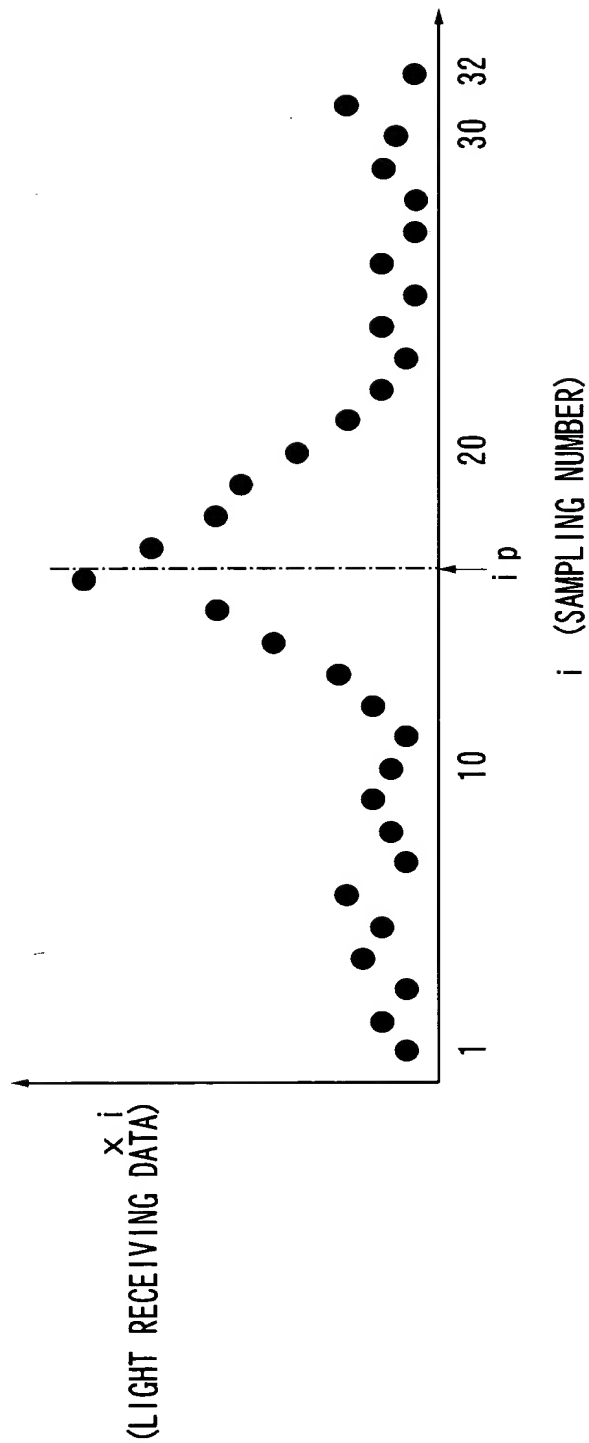


Fig. 12

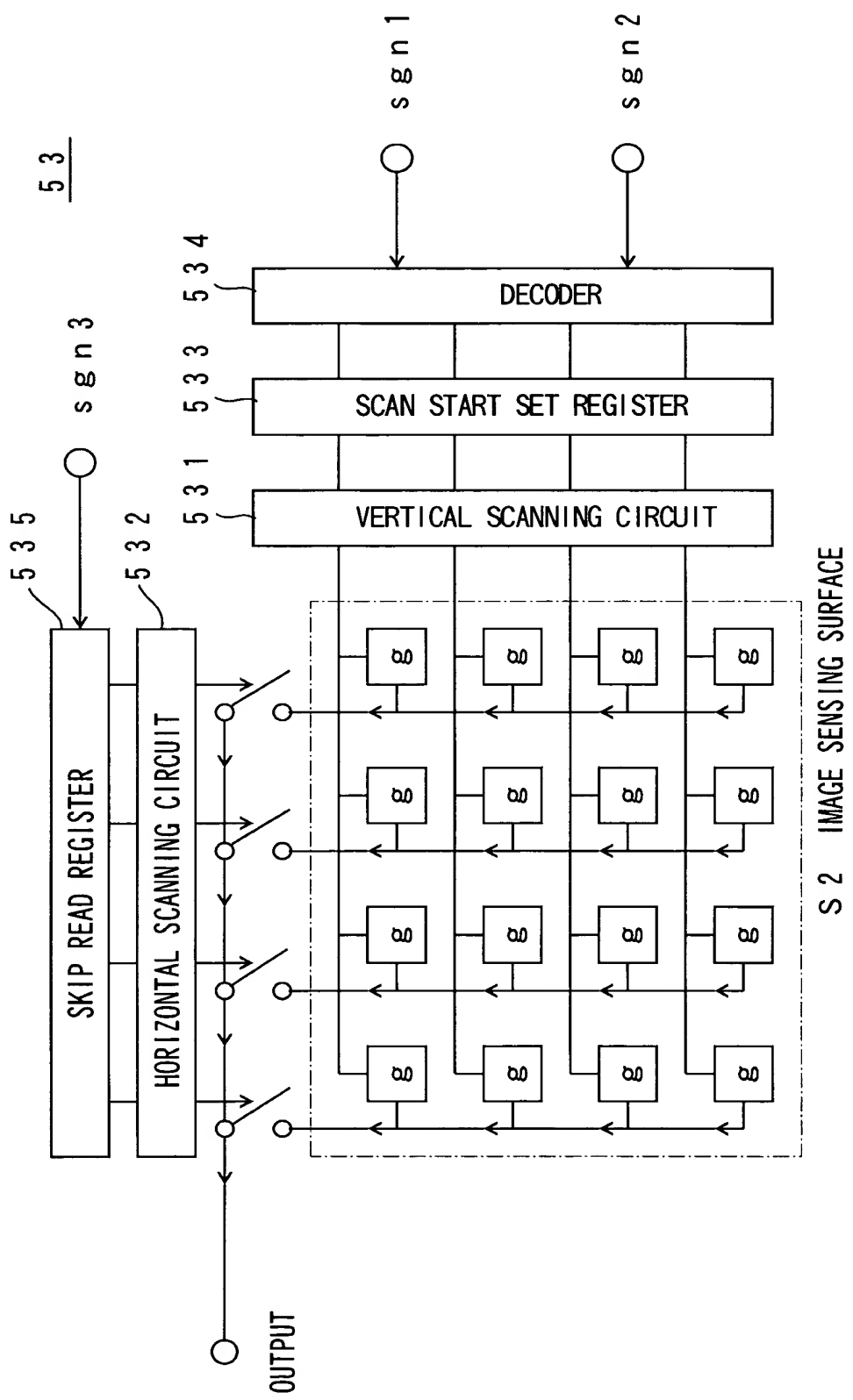
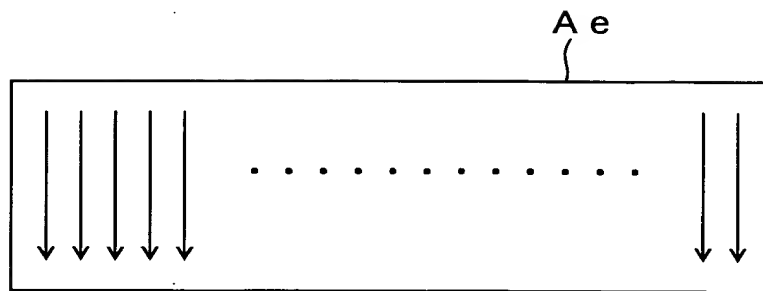


FIG. 12 is a block diagram of an image sensing system in accordance with the present invention.

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

F i g . 1 3 A



F i g . 1 3 B

P R I O R A R T

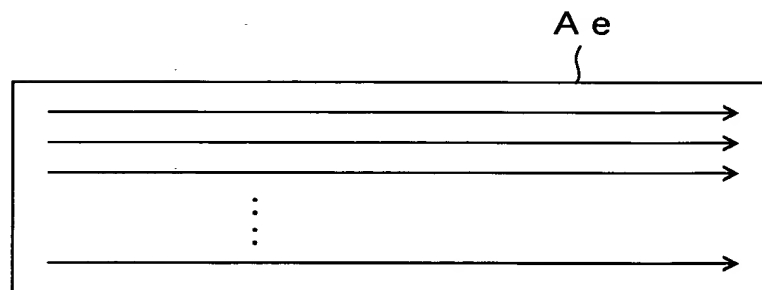
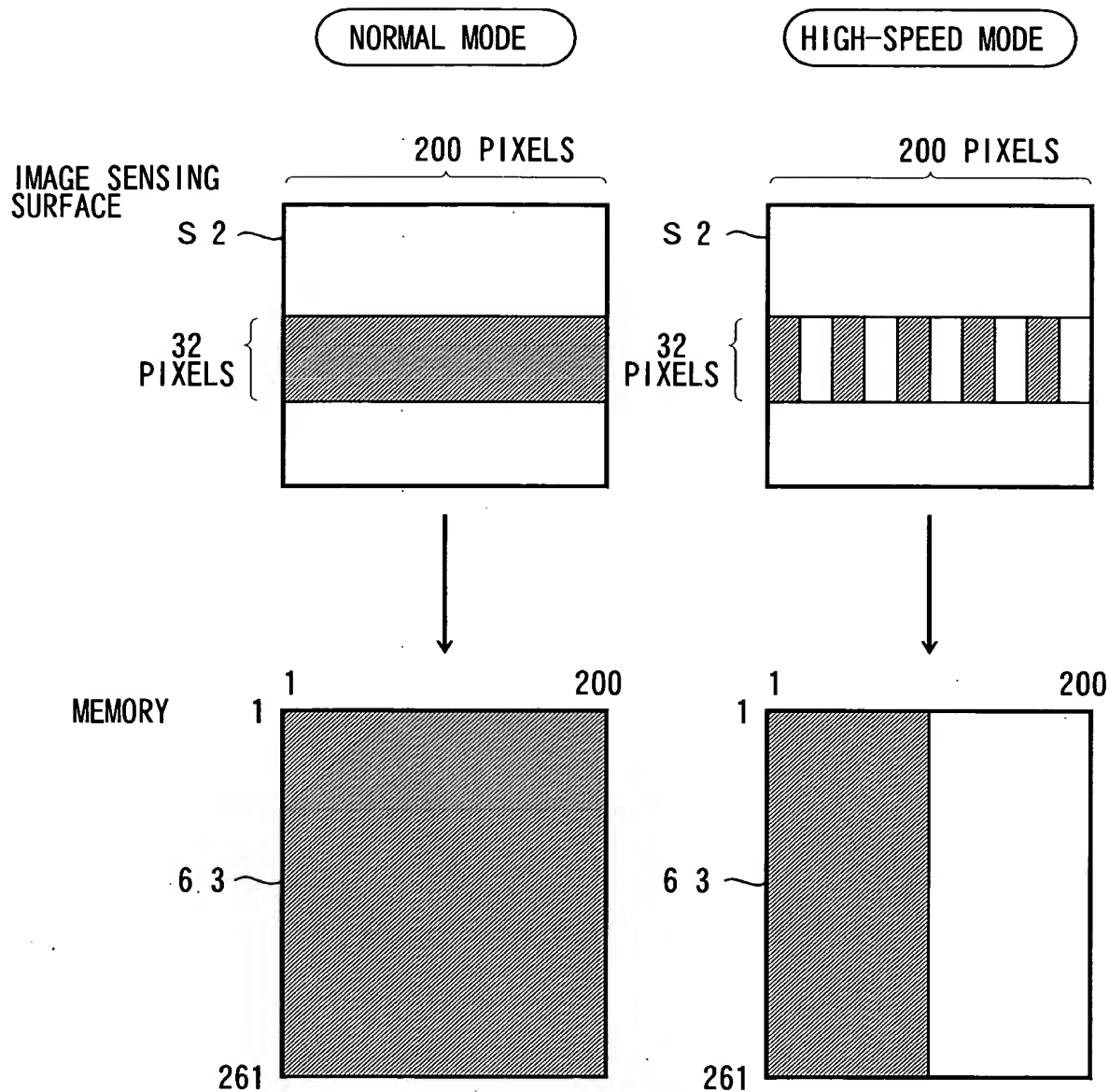
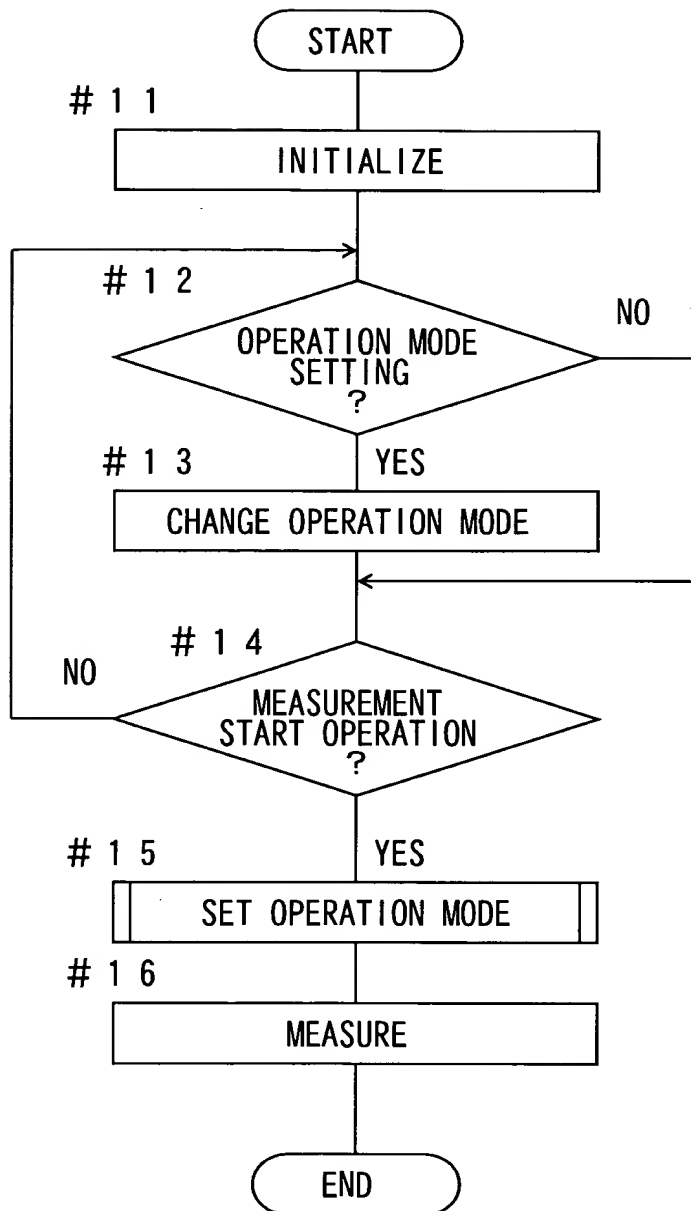


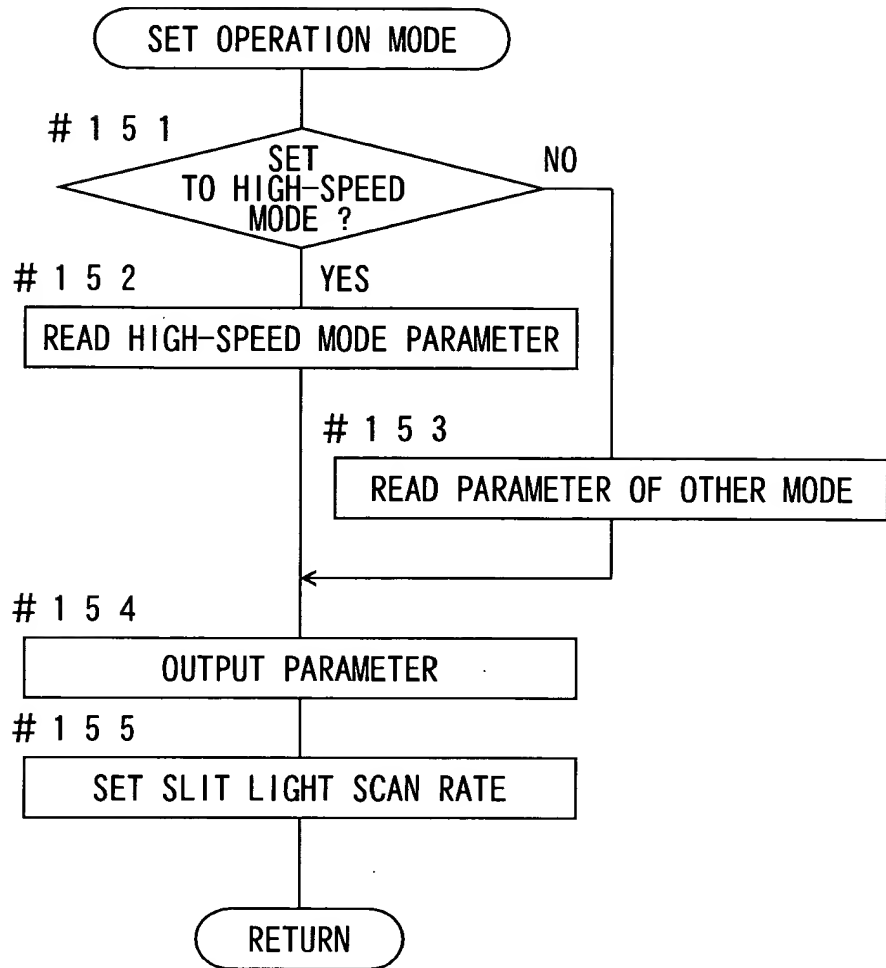
Fig. 14



F i g . 1 5



F i g . 1 6



27



Fig. 18

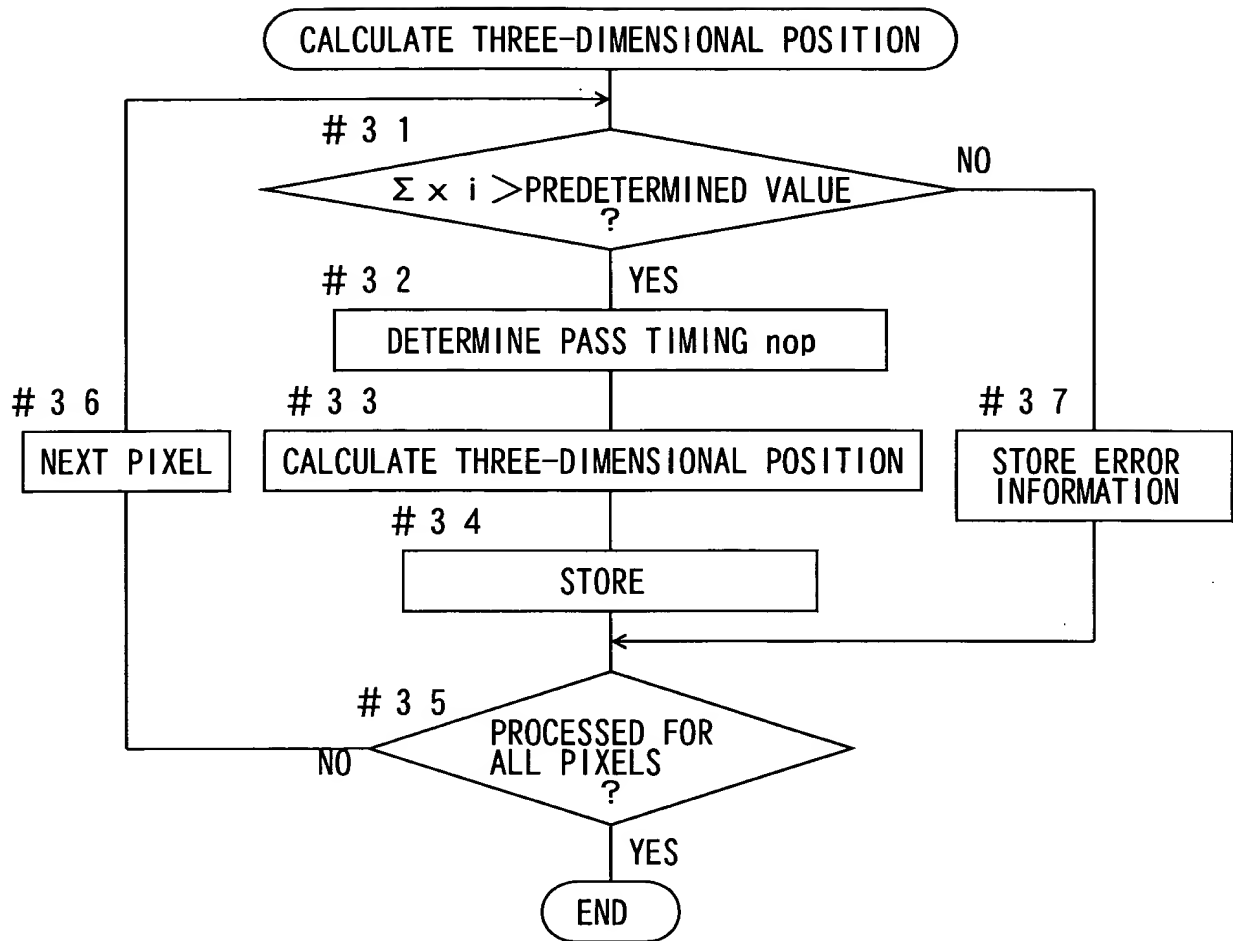
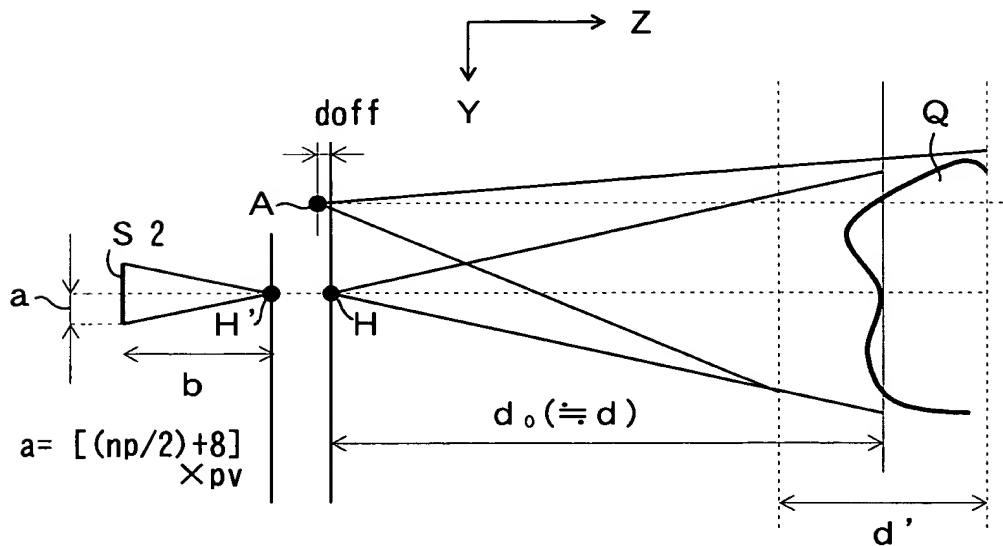
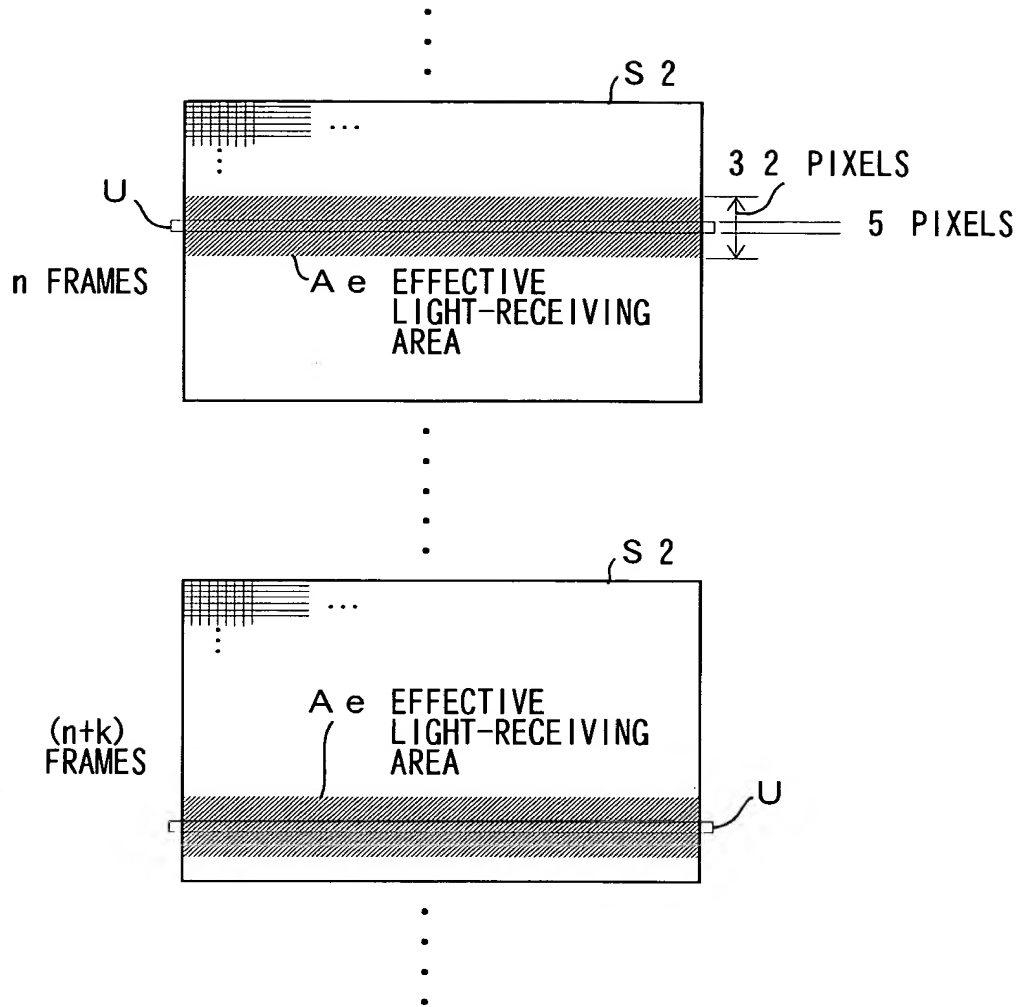


Fig. 19

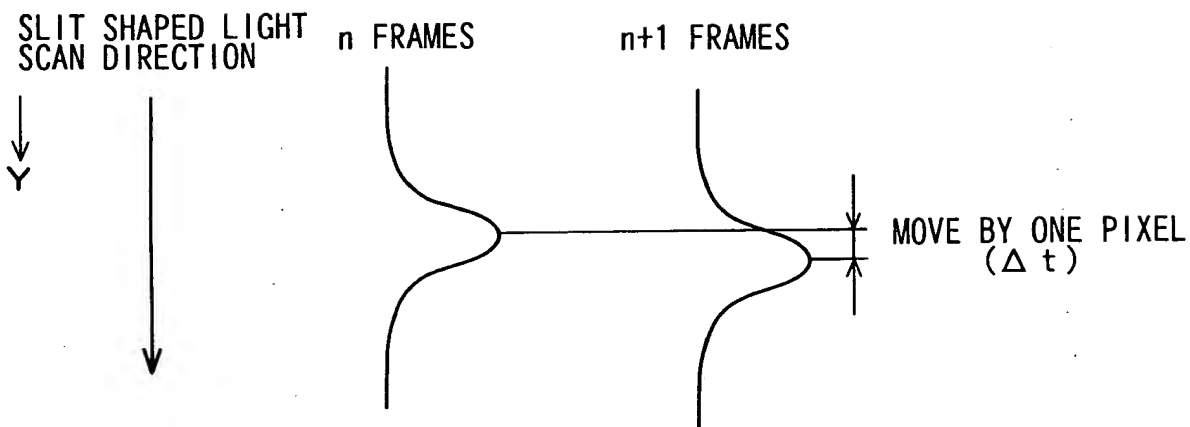


F i g . 2 0



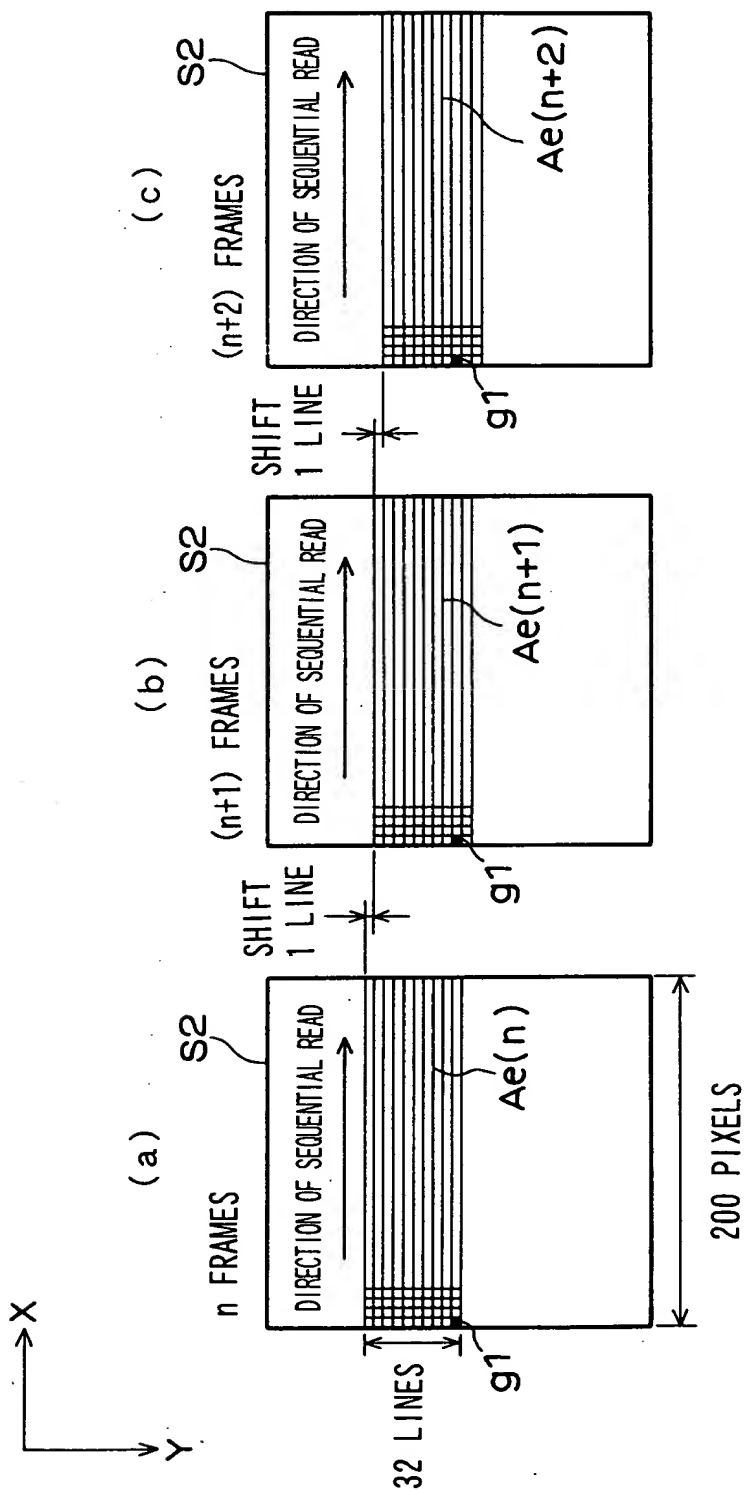
APPROVED	O.G. FIG. .	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 21



2025-03-04 10:00:00

Fig. 22



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

1. *Chlorophyll a* (Chl a) is the primary photosynthetic pigment in most plants, responsible for capturing light energy and converting it into chemical energy through the process of photosynthesis. It is a green pigment that absorbs light most efficiently in the blue-violet and red parts of the spectrum.

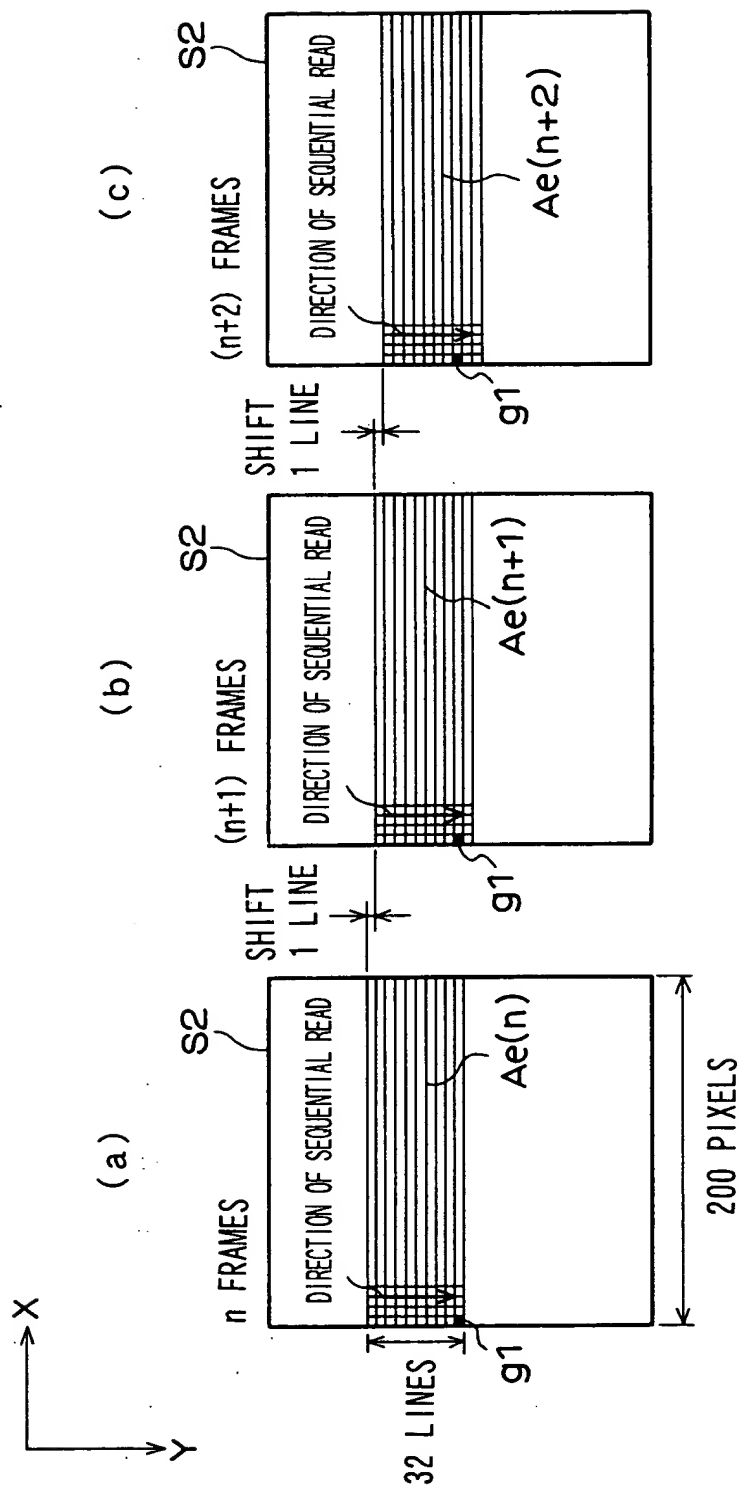
2. *Chlorophyll b* (Chl b) is an accessory pigment that works in conjunction with Chl a. It absorbs light in the blue and orange-red regions and transfers the energy to Chl a for use in photosynthesis.

3. *Carotenoids* are a group of pigments that include carotenes and xanthophylls. They absorb light in the blue and green regions and transfer energy to Chl a. Carotenoids also play a role in protecting the plant from damage caused by excess light energy.

4. *Xanthophylls* are a subset of carotenoids that are involved in the xanthophyll cycle, a process that helps plants dissipate excess light energy as heat to prevent damage to the photosynthetic apparatus.

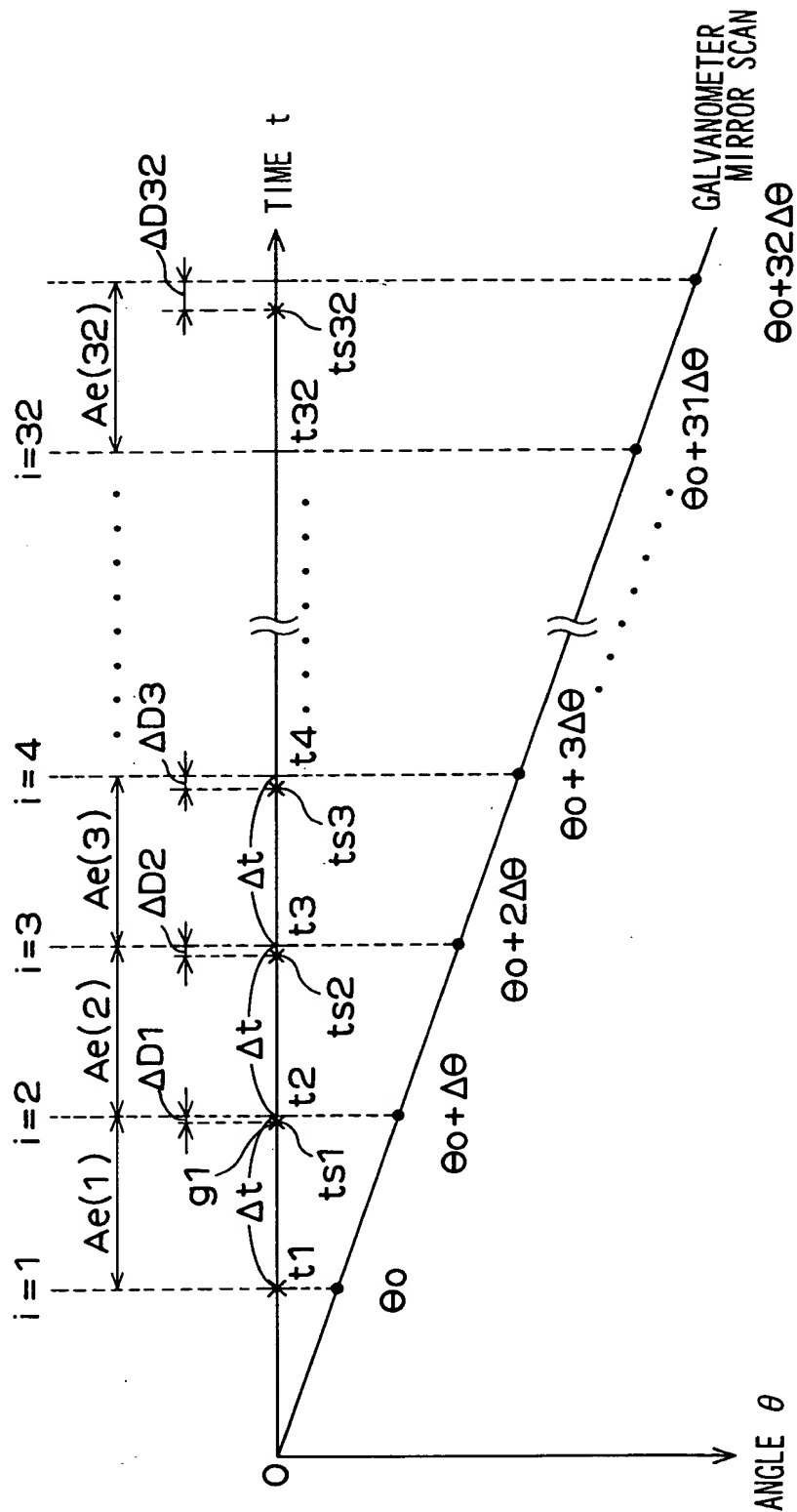
5. *Anthocyanins* are water-soluble pigments that give plants their red, purple, and blue colors. They are not directly involved in photosynthesis but can play a role in protecting the plant from damage caused by UV light and other environmental stressors.

4204



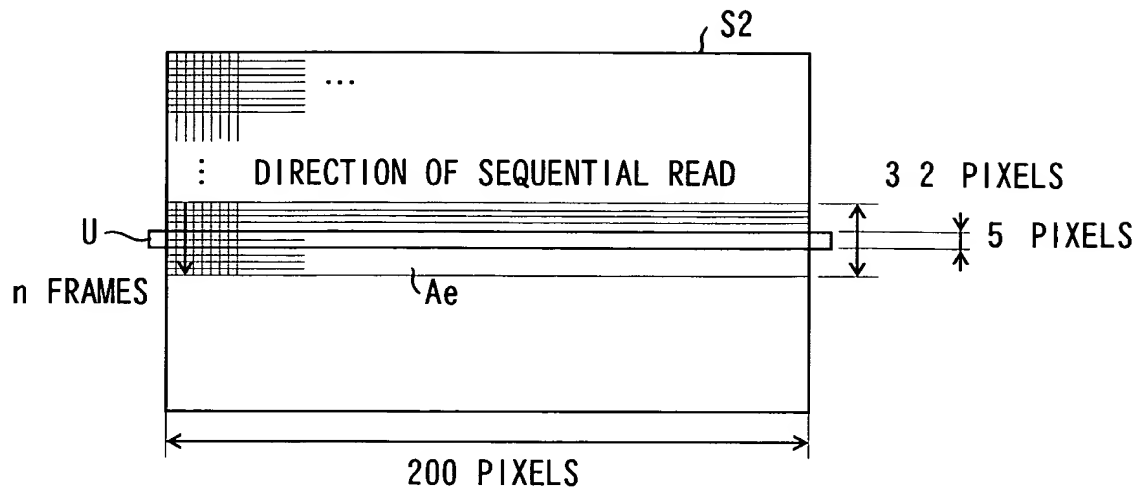
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 25



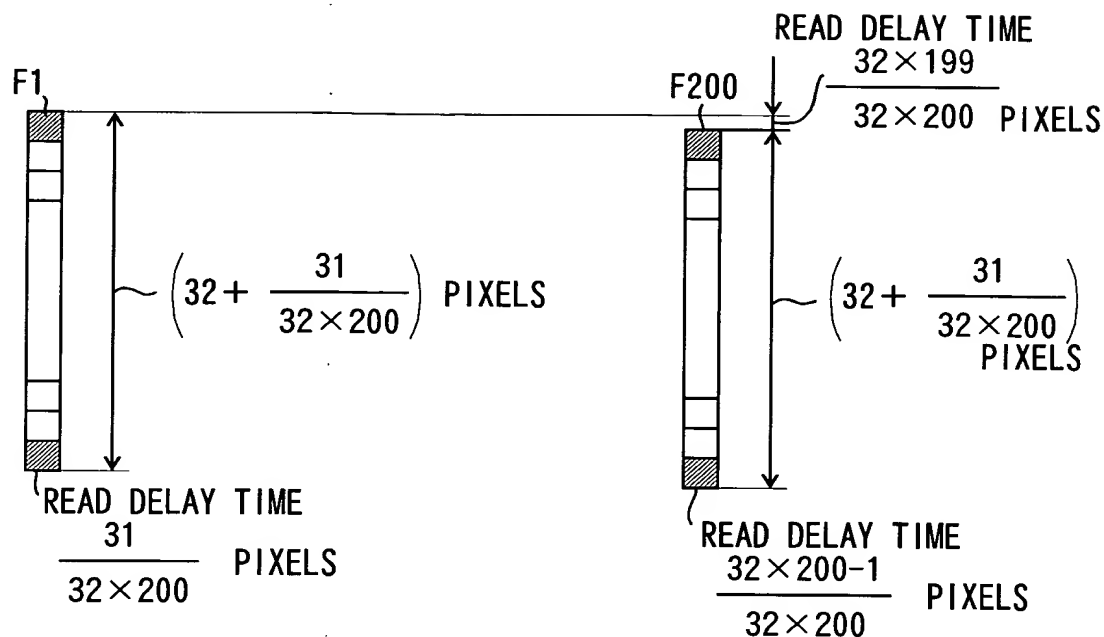
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

F i g . 2 8



Approved for Release

F i g . 2 9



F i g . 3 0

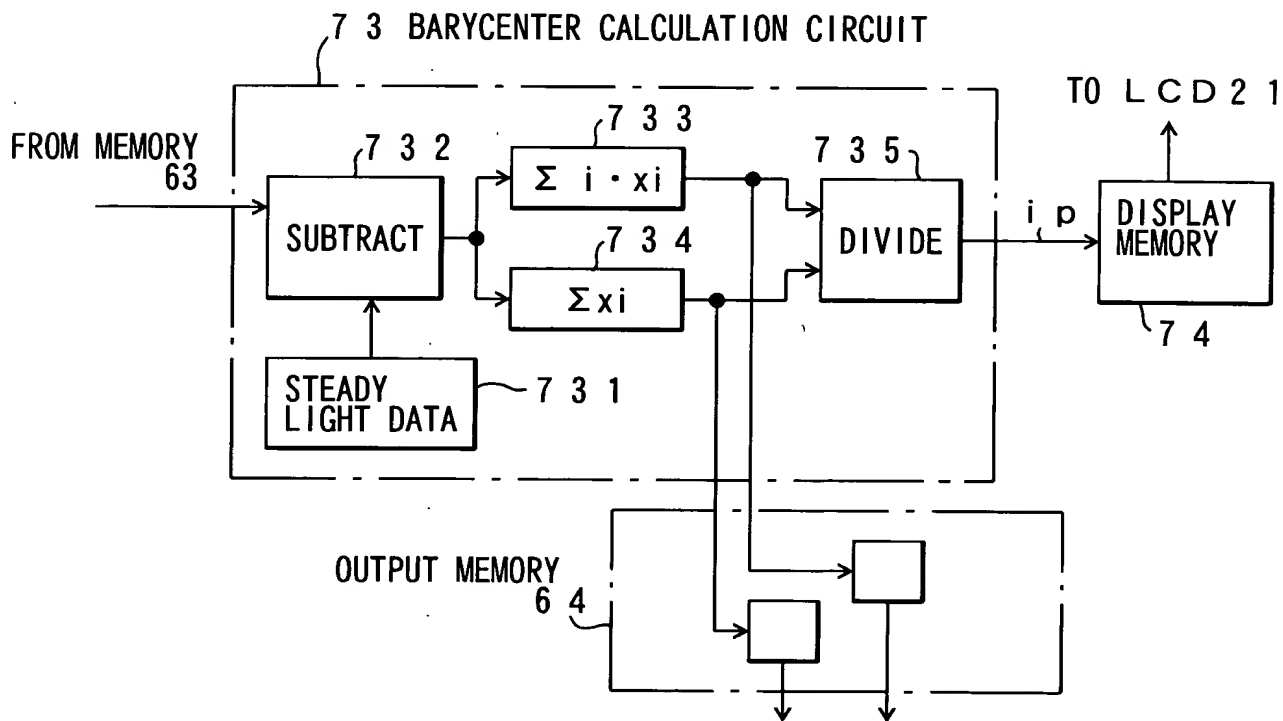
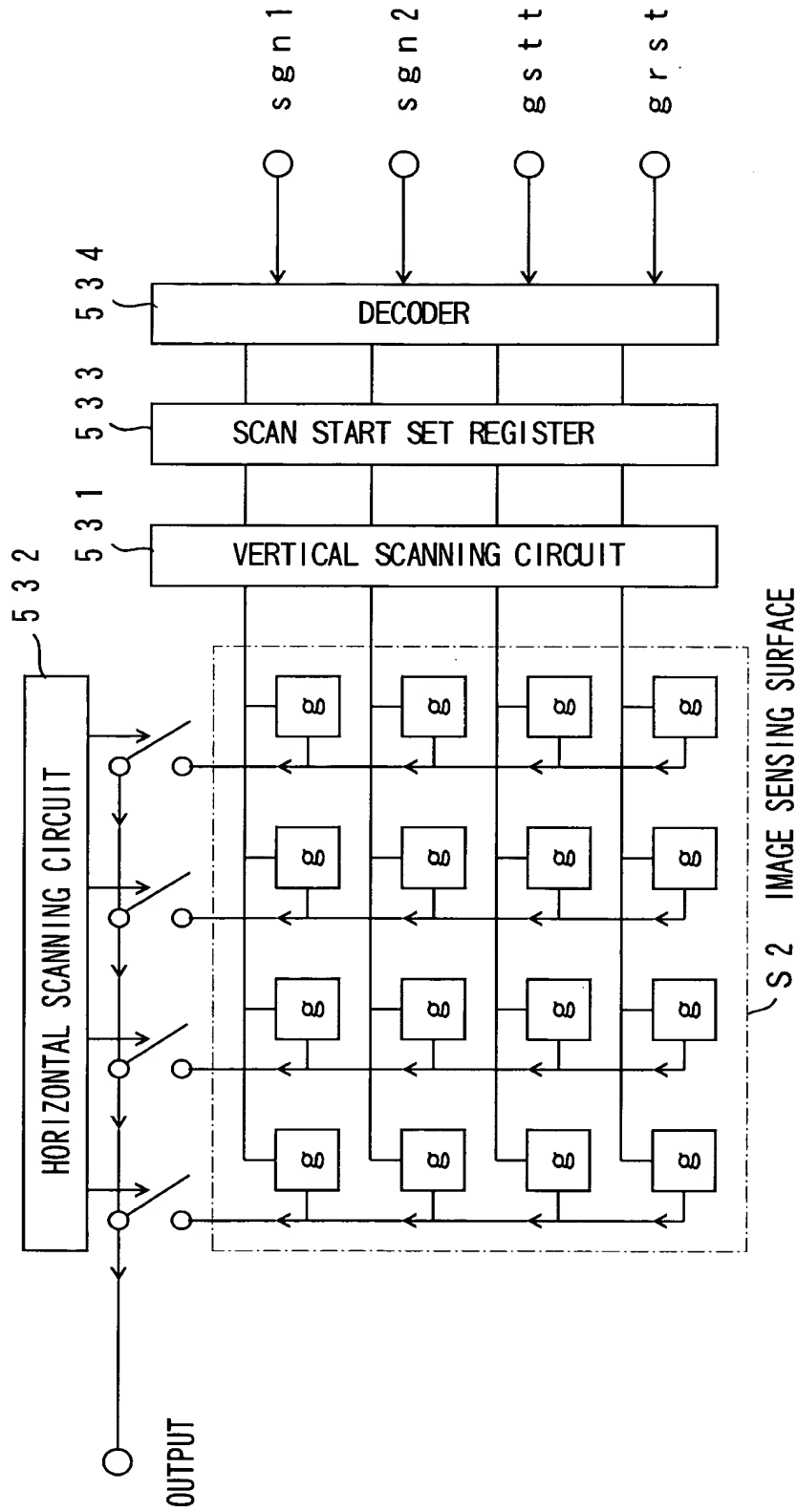


Fig. 31

Fig. 31

53C



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 34A

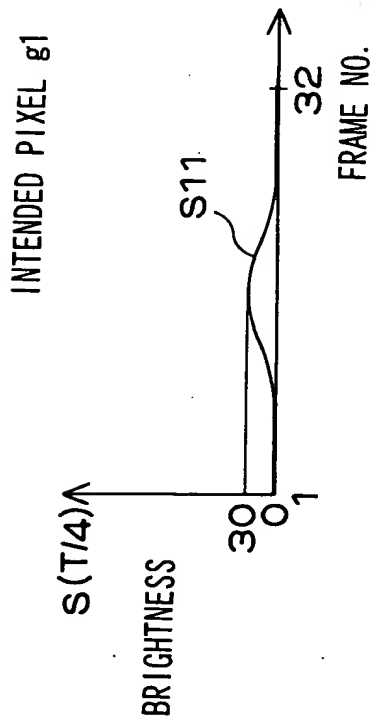


Fig. 34B

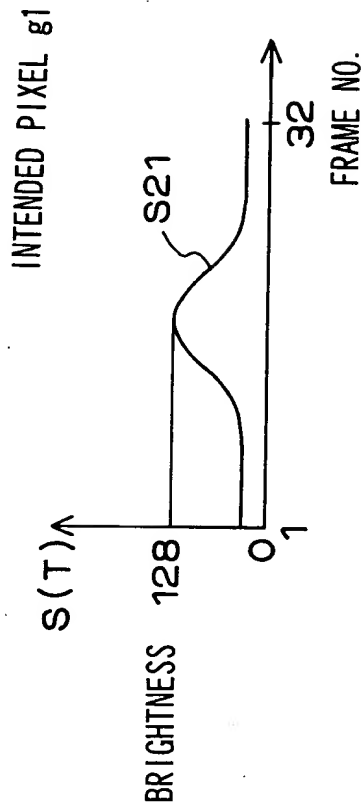


Fig. 34C

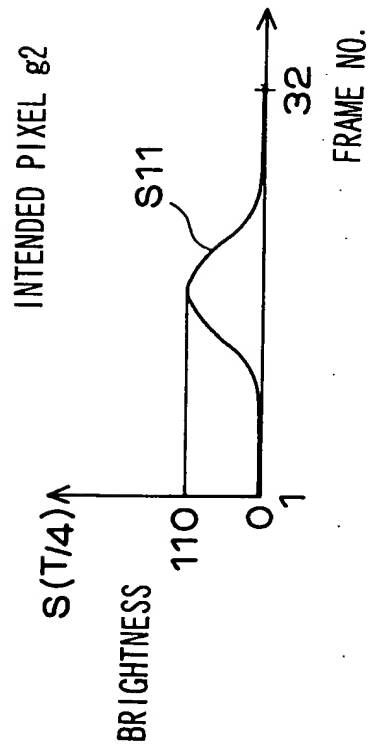
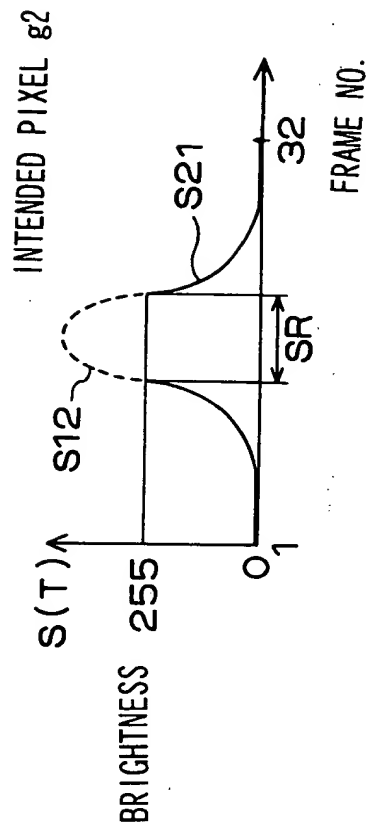


Fig. 34D



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 36 A

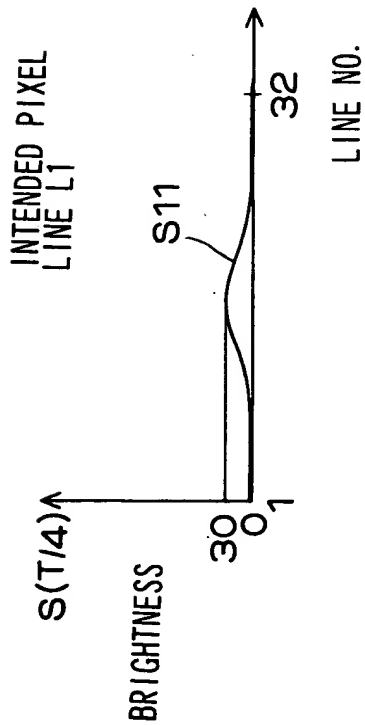


Fig. 36 B

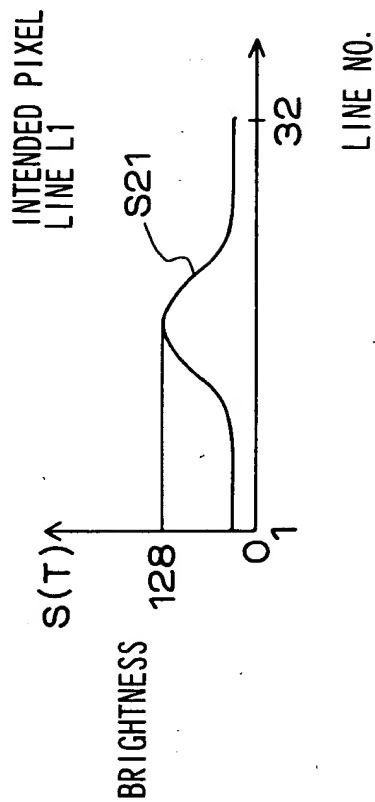


Fig. 36 C

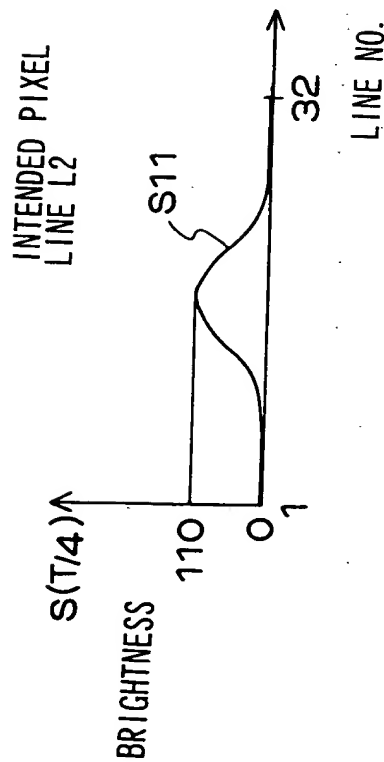
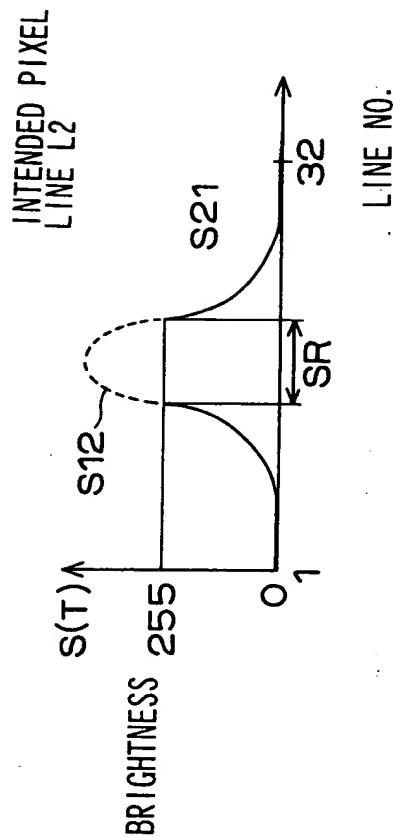
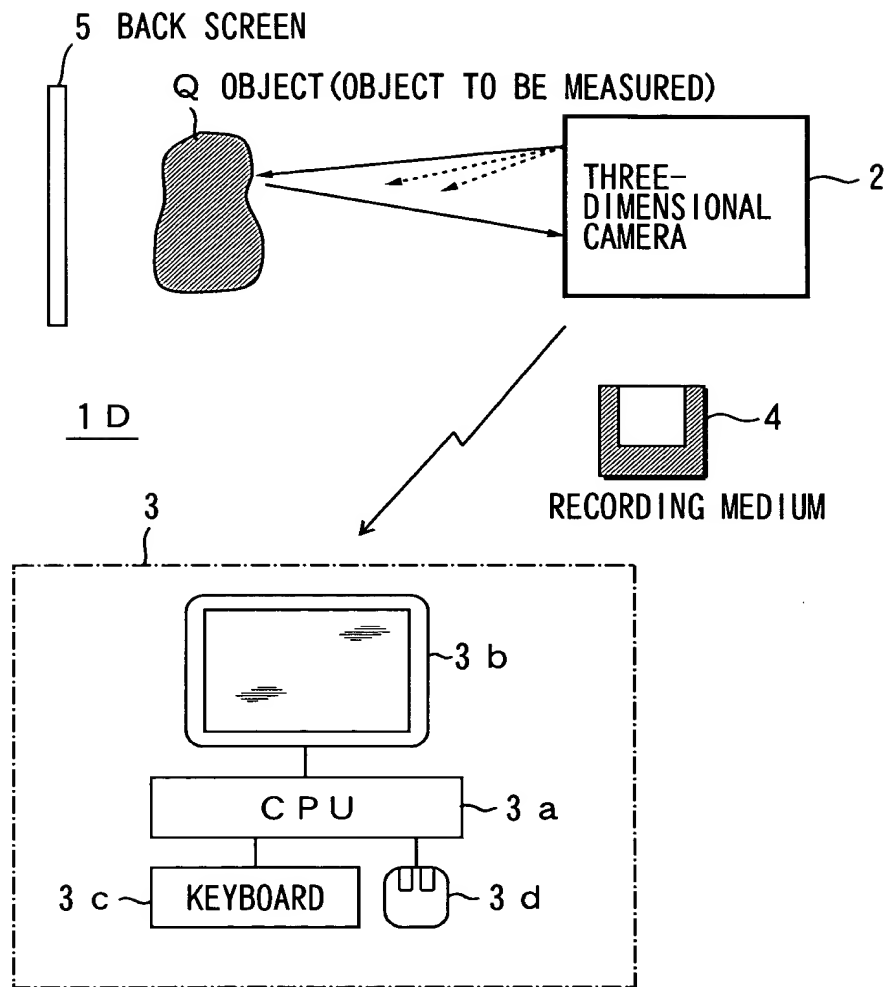


Fig. 36 D



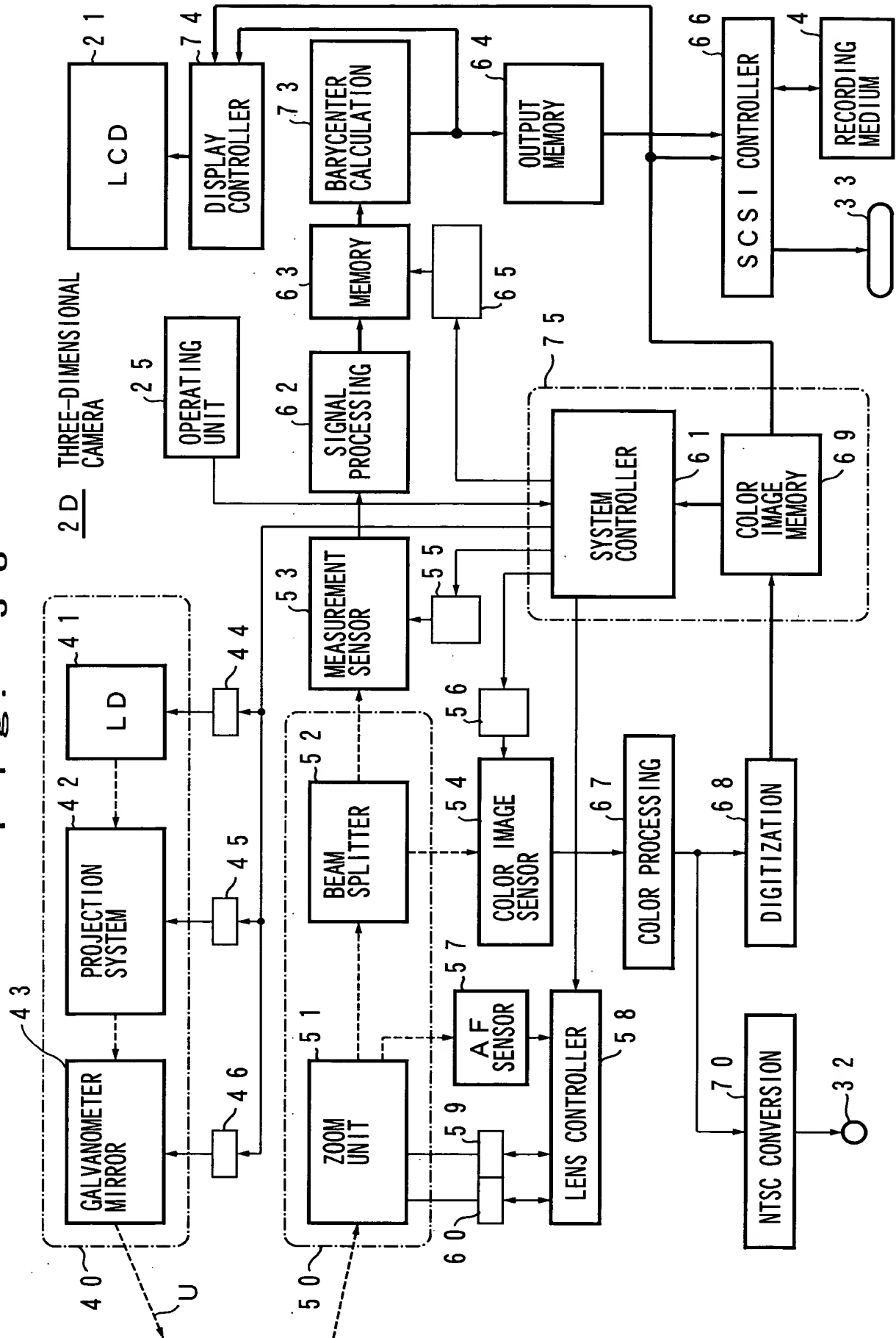
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

F i g . 3 7



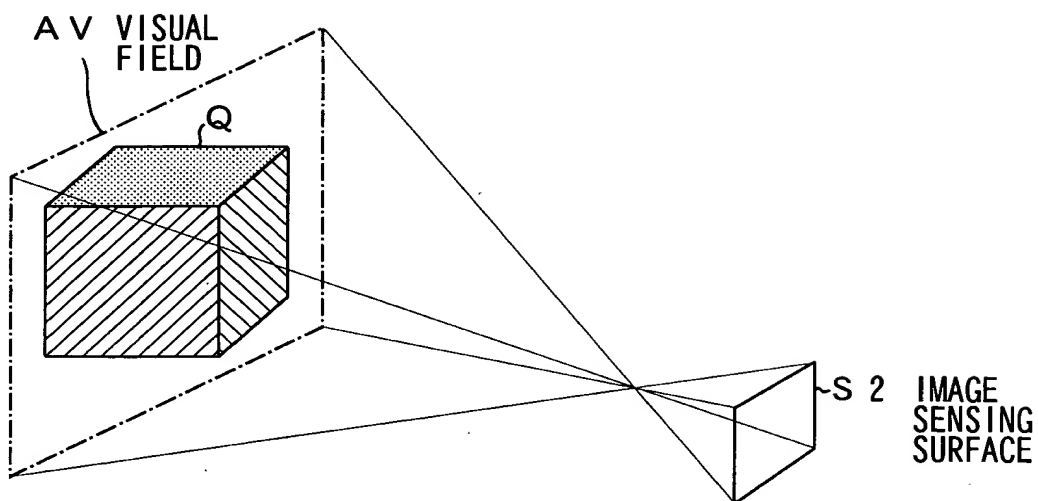
Approved for Release

Fig. 38

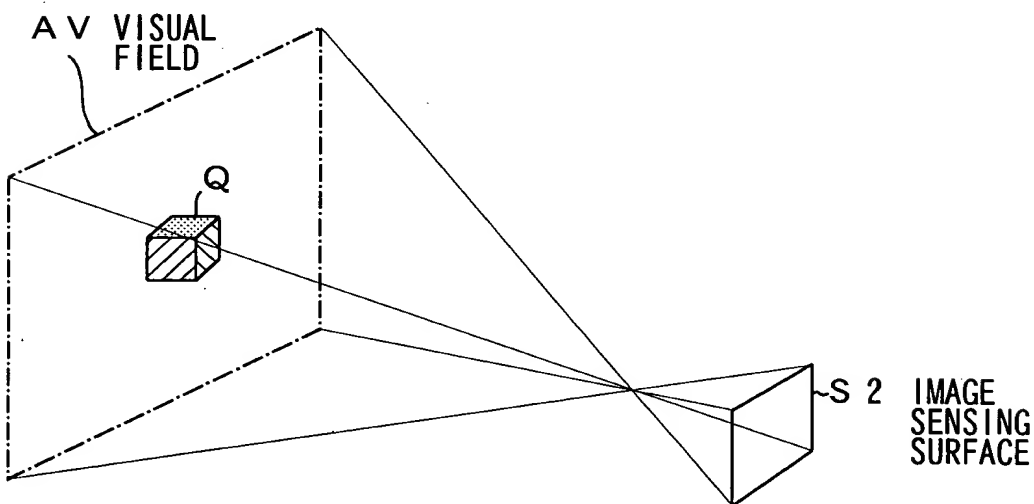


APPROVED	O.G. FIG. ٣٩	
BY	CLASS	SUBCLASS
DRAFTSMAN		

F i g . 3 9 A

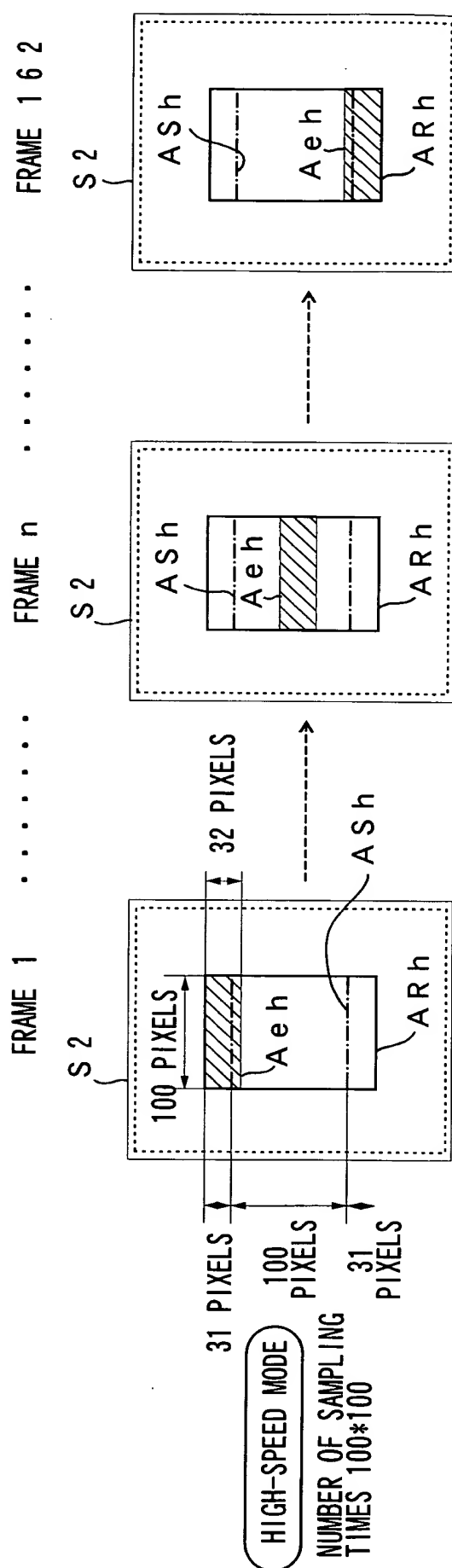


F i g . 3 9 B



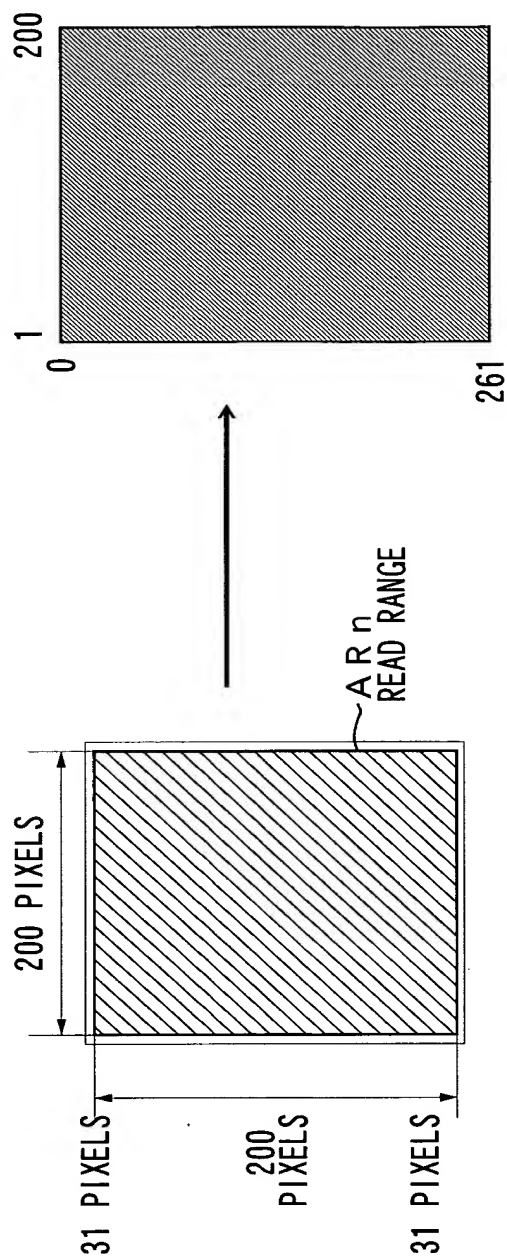
66260" B7E50400

4040



Final 42

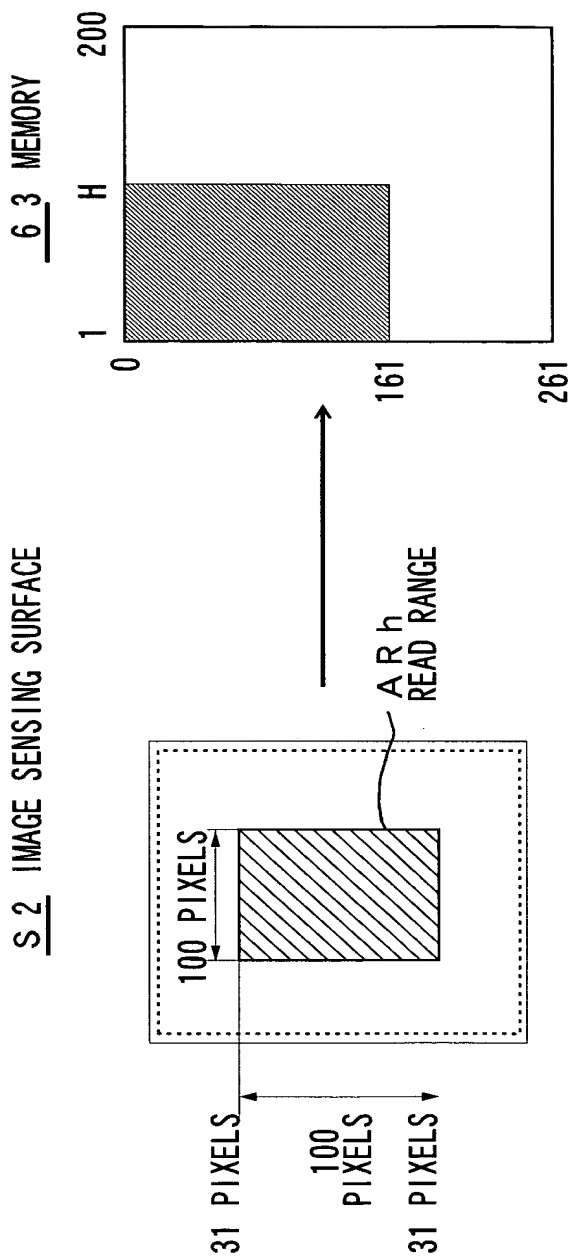
S 2 IMAGE SENSING SURFACE



NORMAL MODE

NUMBER OF SAMPLING
TIMES 200*200

S 2 IMAGE SENSING SURFACE

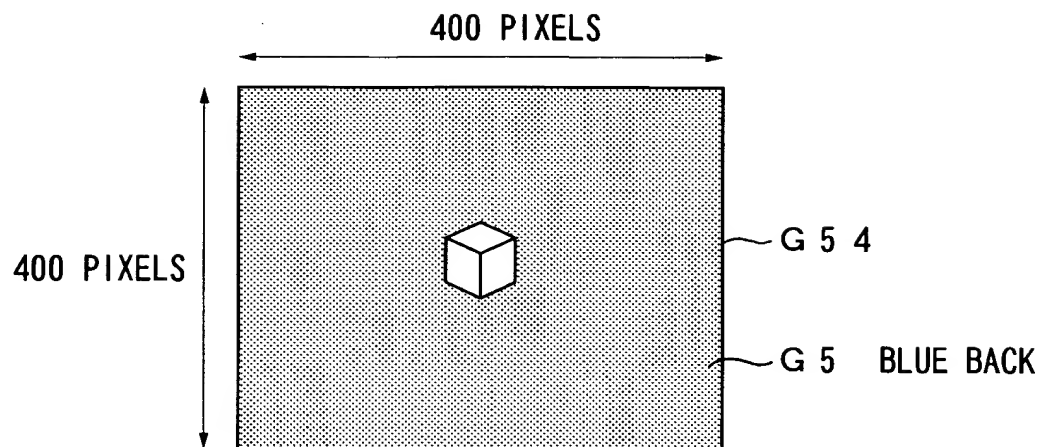


HIGH-SPEED MODE

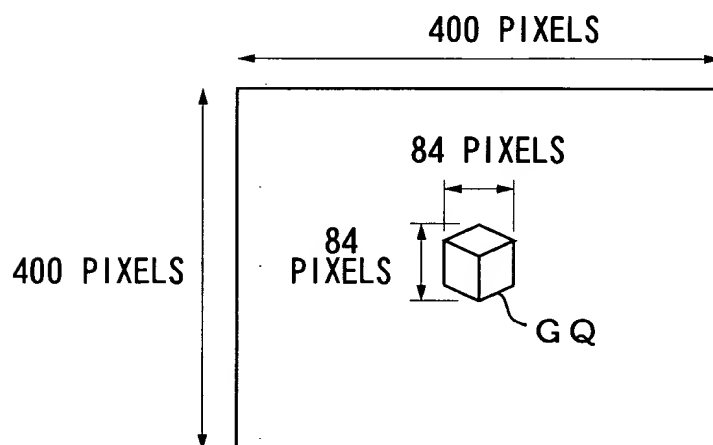
NUMBER OF SAMPLING
TIMES 100*100

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

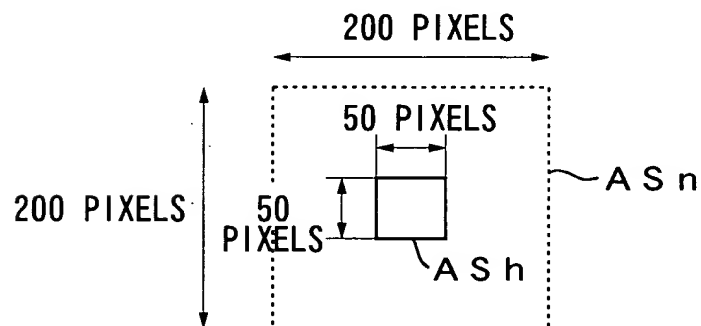
F i g . 4 3 A



F i g . 4 3 B



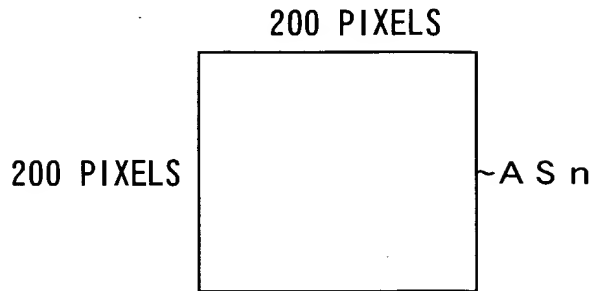
F i g . 4 3 C



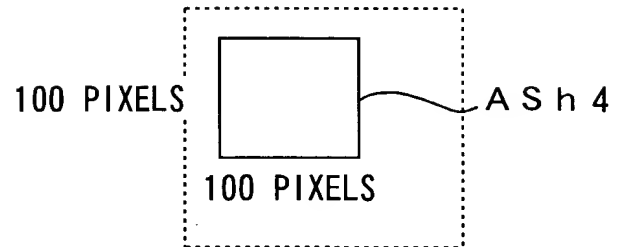
62260-2433160

Fig. 44

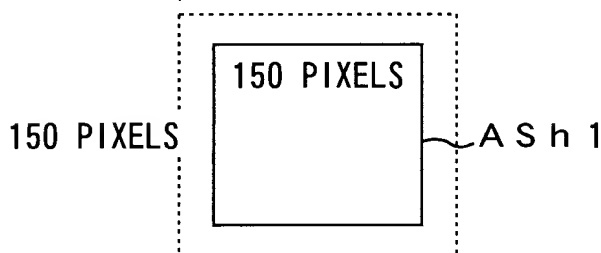
(a) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 1



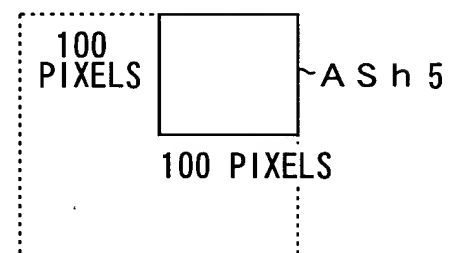
(e) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 1/4



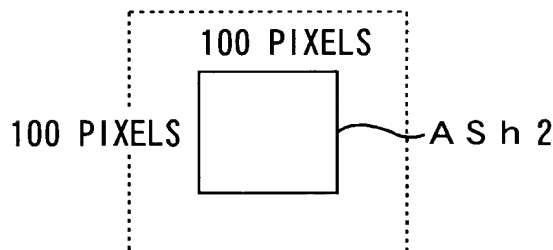
(b) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 9/16



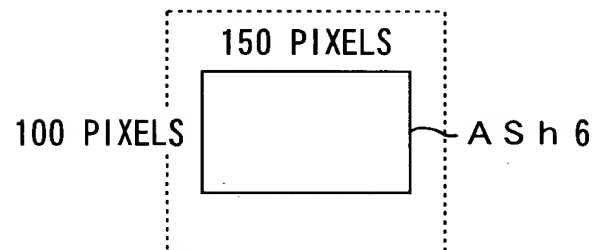
(f) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 1/4



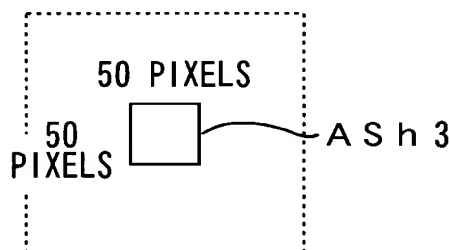
(c) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 1/4



(g) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 3/8



(d) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 1/16



(h) RELATIVE VALUE OF
OUTPUT DATA AMOUNT : 3/8

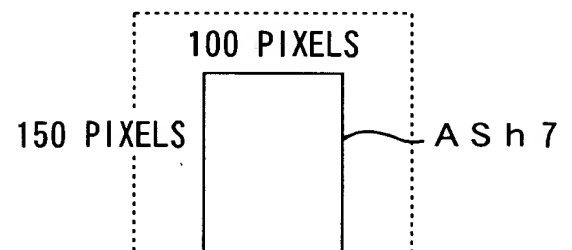
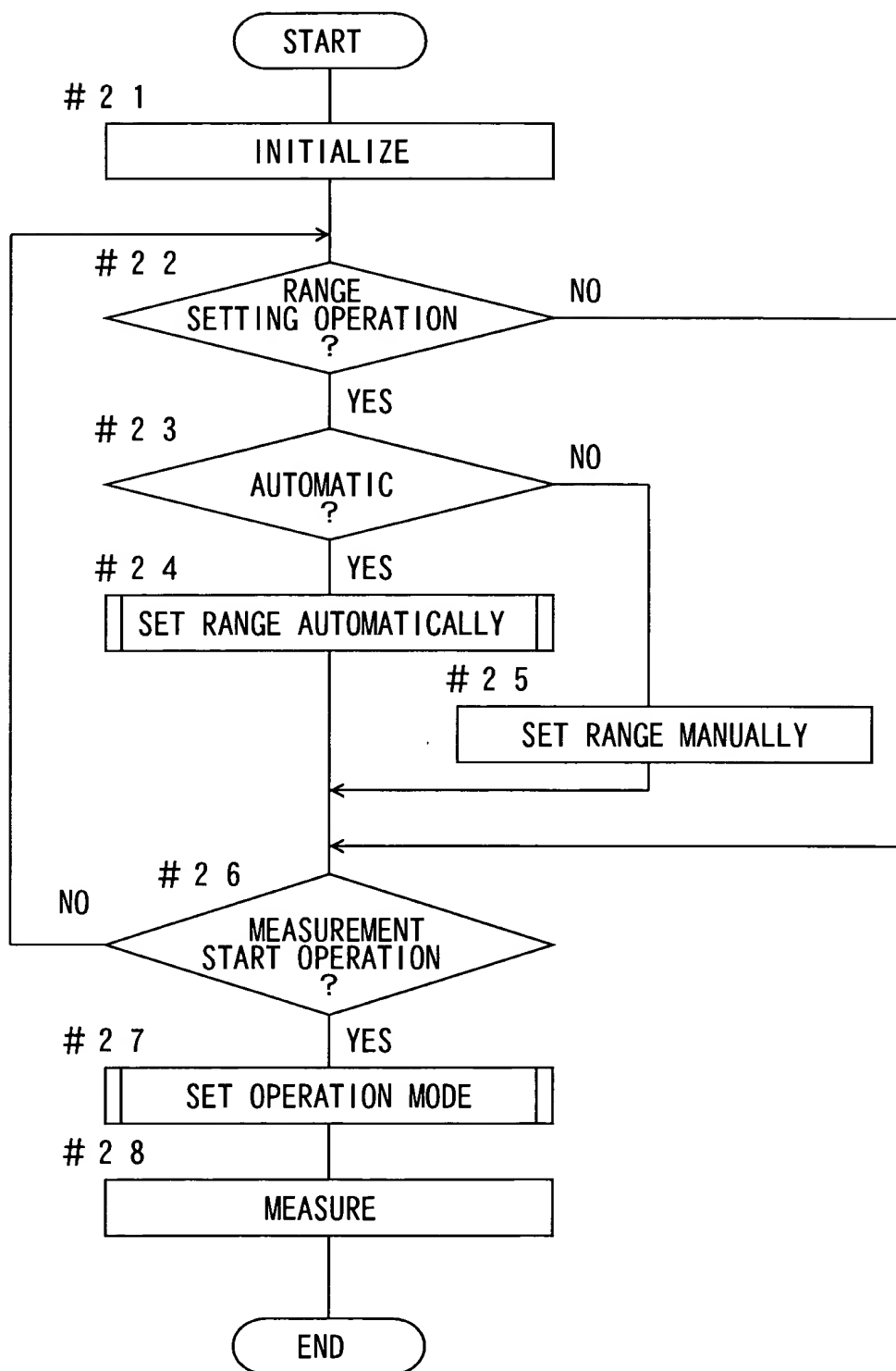
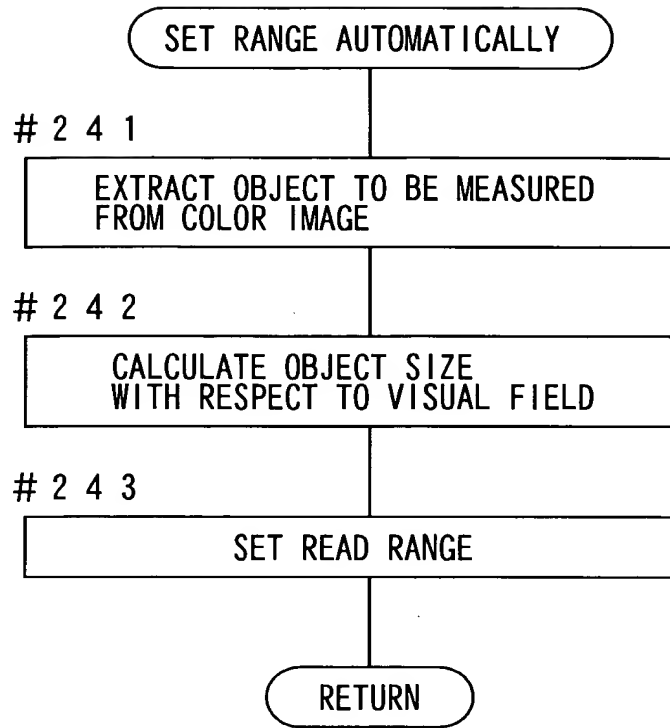


Fig. 45



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Fig. 46



60250-3430450